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LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	4	OCT 28	KOREAPAT now available on STN
NEWS	5	NOV 30	PHAR reloaded with additional data
NEWS	6	DEC 01	LISA now available on STN
NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPFULL during January and February 2005
NEWS	17	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	18	FEB 10	STN Patent Forums to be held in March 2005
NEWS	19	FEB 16	STN User Update to be held in conjunction with the 229th ACS National Meeting on March 13, 2005
NEWS	20	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	21	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	22	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	23	MAR 02	GBFULL: New full-text patent database on STN
NEWS	24	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	25	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS EXPRESS	JANUARY 10	CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005	
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS INTER	General Internet Information		
NEWS LOGIN	Welcome Banner and News Items		
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN		
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Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 08:30:18 ON 16 MAR 2005

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 08:30:41 ON 16 MAR 2005

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STRUCTURE FILE UPDATES: 15 MAR 2005 HIGHEST RN 845699-17-4

DICTIONARY FILE UPDATES: 15 MAR 2005 HIGHEST RN 845699-17-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e 2-Pentenedioic acid, 4-[[(3,4-dichlorophenyl)amino]methylene]-, 5-methyl ester/cn

E1	1	2-PENTENEDIOIC ACID, 4,4-DIMETHYL-2-(TRIMETHYLSILYL)-, 1-ETHYL 5-METHYL ESTER, (E)-/CN
E2	1	2-PENTENEDIOIC ACID, 4,4-DIPHENYL-, DIMETHYL ESTER/CN
E3	0 -->	2-PENTENEDIOIC ACID, 4-(3,4-DICHLOROPHENYL)AMINOMETHYLENE -, 5-METHYL ESTER/CN
E4	1	2-PENTENEDIOIC ACID, 4-(((1S)-1-(METHOXYCARBONYL)-2-METHYLPROPYL)AMINO)METHYLENE)-, DIETHYL ESTER, (2E,4Z)-/CN
E5	1	2-PENTENEDIOIC ACID, 4-(((1S)-2-METHOXY-1-METHYL-2-OXOETHYL)AMINO)METHYLENE)-, DIETHYL ESTER, (2E,4Z)-/CN
E6	1	2-PENTENEDIOIC ACID, 4-(((1S)-2-METHOXY-2-OXO-1-(PHENYLMETHYL)ETHYL)AMINO)METHYLENE)-, DIETHYL ESTER, (2E,4Z)-/CN
E7	1	2-PENTENEDIOIC ACID, 4-(((1,1-DIMETHYL-2-((4-METHYLPHENYL)SULFONYL)AMINO)ETHYL)METHYLAMINO)METHYLENE)-, DIETHYL ESTER, (E,E)-/CN
E8	1	2-PENTENEDIOIC ACID, 4-(((1,1-DIMETHYLETHOXY)CARBONYL)AMINO)-, 1-METHYL ESTER/CN
E9	1	2-PENTENEDIOIC ACID, 4-(((1,1-DIMETHYLETHOXY)CARBONYL)AMINO)-, 5-METHYL ESTER, (E)-/CN
E10	1	2-PENTENEDIOIC ACID, 4-(((1,1-DIMETHYLETHOXY)CARBONYL)AMINO)-, 5-METHYL ESTER, (E)-(±)-/CN
E11	1	2-PENTENEDIOIC ACID, 4-(((1,1-DIMETHYLETHYL)AMINO)METHYLENE)-, DIETHYL ESTER/CN
E12	1	2-PENTENEDIOIC ACID, 4-(((1,1-DIMETHYLETHYL)DIMETHYLSILYL)OXY)-4-ETHYL-2-METHYL-, DIETHYL ESTER, (E)-/CN

=> e 2-Pentenedioic acid, 4-(((3,4-dichlorophenyl)amino)methylene)-, 5-methyl ester/cn

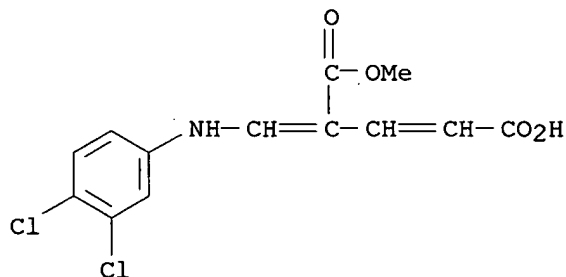
E1	1	2-PENTENEDIOIC ACID, 4-(((2-METHOXY-2-OXOETHYL)AMINO)METHYLENE)-, DIETHYL ESTER, (2E,4Z)-/CN
E2	1	2-PENTENEDIOIC ACID, 4-(((2-METHOXYPHENYL)AMINO)METHYLENE)-, DIETHYL ESTER, (2E,4Z)-/CN
E3	1 -->	2-PENTENEDIOIC ACID, 4-(((3,4-DICHLOROPHENYL)AMINO)METHYLENE)-, 5-METHYL ESTER/CN
E4	1	2-PENTENEDIOIC ACID, 4-(((3,4-DICHLOROPHENYL)AMINO)METHYLENE)-, 5-METHYL ESTER, (? ,Z)-/CN
E5	1	2-PENTENEDIOIC ACID, 4-(((3,4-DIMETHOXYPHENYL)AMINO)METHYLENE)-, 5-METHYL ESTER, (2E,4E)-/CN
E6	1	2-PENTENEDIOIC ACID, 4-(((3,4-DIMETHOXYPHENYL)AMINO)METHYLENE)-, 5-METHYL ESTER, (? ,Z)-/CN
E7	1	2-PENTENEDIOIC ACID, 4-(((3,5-DICHLOROPHENYL)AMINO)METHYLENE)-, 5-METHYL ESTER, (2E,4E)-/CN
E8	1	2-PENTENEDIOIC ACID, 4-(((3,5-DICHLOROPHENYL)AMINO)METHYLENE)-, 5-METHYL ESTER, (? ,Z)-/CN
E9	1	2-PENTENEDIOIC ACID, 4-(((3-(ACETYLAMINO)PROPYL)METHYLAMINO)METHYLENE)-, DIETHYL ESTER, (E,E)-/CN
E10	1	2-PENTENEDIOIC ACID, 4-(((3-(ACETYLAMINO)PROPYL)METHYLAMINO)METHYLENE)-, DIETHYL ESTER, (Z,E)-/CN
E11	1	2-PENTENEDIOIC ACID, 4-(((3-(TRIFLUOROMETHYL)PHENYL)AMINO)METHYLENE)-, 5-METHYL ESTER/CN
E12	1	2-PENTENEDIOIC ACID, 4-(((3-(TRIFLUOROMETHYL)PHENYL)AMINO)METHYLENE)-, 5-METHYL ESTER, (? ,Z)-/CN

=> e3

L1 1 "2-PENTENEDIOIC ACID, 4-(((3,4-DICHLOROPHENYL)AMINO)METHYLENE)-, 5-METHYL ESTER"/CN

=> d 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 117366-32-2 REGISTRY
 CN 2-Pentenedioic acid, 4-[[[(3,4-dichlorophenyl)amino]methylene]-, 5-methyl ester (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C13 H11 Cl2 N O4
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER
 DT.CA CAplus document type: Journal
 RL.NP Roles from non-patents: PROC (Process)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

7.73

7.94

FILE 'CAPLUS' ENTERED AT 08:32:44 ON 16 MAR 2005

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FILE COVERS 1907 - 16 Mar 2005 VOL 142 ISS 12

FILE LAST UPDATED: 15 Mar 2005 (20050315/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l1

L2 1 L1

=> d l2 ti fbib abs

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

TI Synthesis and pharmacological properties of new 6-amino-3,6-dihydro-2H-1,2-oxazines

AN 1988:610977 CAPLUS

DN 109:210977

TI Synthesis and pharmacological properties of new 6-amino-3,6-dihydro-2H-1,2-oxazines

AU Kvita, Vratislav; Sauter, Hanspeter; Schieweck, Klaus; Stanek, Jaroslav

CS Zent. Forschungslab., Ciba-Geigy A.-G., Basel, CH-4002, Switz.

SO Archiv der Pharmazie (Weinheim, Germany) (1988), 321(5), 263-4

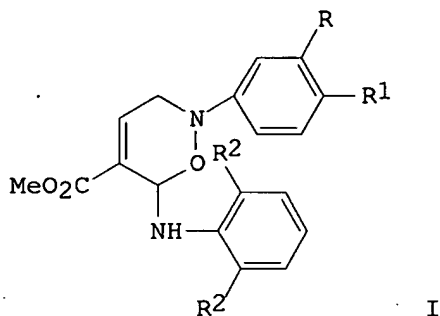
CODEN: ARPMAS; ISSN: 0365-6233

DT Journal

LA German

OS CASREACT 109:210977

GI



AB Oxazines I (R = CF₃, R₁ = H, R = R₁ = Cl, R = H, R₁ = Me, Cl; R₂ = R₃ = H, Cl, R₂ = NO₂, R₃ = H) were obtained in 40-69% yield by decarboxylating 3,4-RR₁C₆H₃NHCH:C(CO₂Me)CH:CHCO₂H followed by in-situ reaction with R₂R₃C₆H₃NO. I are neoplasm inhibitors. Thus, I (R = 4-Me, R₁ = H) had a therapeutic ratio of 74% against Ehrlich ascites at 125 mg/kg i.p. in mice.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
5.80	13.74

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.73	-0.73

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 08:36:40 ON 16 MAR 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

***** RECONNECTED TO STN INTERNATIONAL *****
 SESSION RESUMED IN FILE 'CAPLUS' AT 08:49:27 ON 16 MAR 2005
 FILE 'CAPLUS' ENTERED AT 08:49:27 ON 16 MAR 2005
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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
5.80	13.74

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.73	-0.73

CA SUBSCRIBER PRICE

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
6.25	14.19

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

FILE 'REGISTRY' ENTERED AT 08:49:56 ON 16 MAR 2005
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STRUCTURE FILE UPDATES: 15 MAR 2005 HIGHEST RN 845699-17-4
 DICTIONARY FILE UPDATES: 15 MAR 2005 HIGHEST RN 845699-17-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=> e 2-Tridecenoic acid, 13-(1,3-benzodioxol-5-yl)-, (E)-/cn
E1      1      2-TRIDECENOIC ACID, 13-((TETRAHYDRO-2H-PYRAN-2-YL)OXY)-, ETH
          YL ESTER, (2E)-/CN
E2      1      2-TRIDECENOIC ACID, 13-((TETRAHYDRO-2H-PYRAN-2-YL)OXY)-, ETH
          YL ESTER, (E)-/CN
E3      1 --> 2-TRIDECENOIC ACID, 13-(1,3-BENZODIOXOL-5-YL)-, (E)-/CN
E4      1      2-TRIDECENOIC ACID, 13-(2,2-DIMETHYL-1-OXOPROPOXY)-, ETHYL E
          STER, (2E)-/CN
E5      1      2-TRIDECENOIC ACID, 13-(2,2-DIMETHYL-1-OXOPROPOXY)-, ETHYL E
          STER, (E)-/CN
E6      1      2-TRIDECENOIC ACID, 13-(2-(3-CYANO-3-PHENYLOXIRANYL)PHENOXY)
          -, METHYL ESTER/CN
E7      1      2-TRIDECENOIC ACID, 13-(2-(3-CYANO-3-PHENYLOXIRANYL)PHENOXY)
          -, METHYL ESTER, (2A(E),3A)-/CN
E8      1      2-TRIDECENOIC ACID, 13-(2-(3-CYANO-3-PHENYLOXIRANYL)PHENOXY)
          -, METHYL ESTER, (2A(E),3B)-/CN
E9      1      2-TRIDECENOIC ACID, 13-(2-(3-CYANO-3-PHENYLOXIRANYL)PHENOXY)
          -, METHYL ESTER, (2A(Z),3A)-/CN
E10     1      2-TRIDECENOIC ACID, 13-(2-(3-CYANO-3-PHENYLOXIRANYL)PHENOXY)
          -, METHYL ESTER, (2A(Z),3B)-/CN
E11     1      2-TRIDECENOIC ACID, 13-(2-FORMYLPHENOXY)-, METHYL ESTER, (E)
          -/CN
E12     1      2-TRIDECENOIC ACID, 13-(2-FORMYLPHENOXY)-, METHYL ESTER, (Z)
          -/CN
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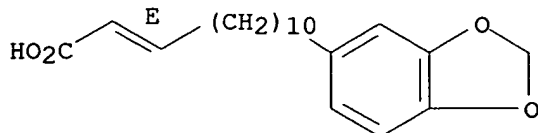
```
=> e3
L3      1 "2-TRIDECENOIC ACID, 13-(1,3-BENZODIOXOL-5-YL)-, (E)-"/CN
```

```
=> d 13
```

```
L3      ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN      190592-64-4  REGISTRY
CN      2-Tridecenoic acid, 13-(1,3-benzodioxol-5-yl)-, (E)- (9CI) (CA
          INDEX NAME)
```

FS STEREOSEARCH
 MF C20 H28 O4
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA CAPLUS document type: Journal
 RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
6.87	21.06

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-0.73

CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 08:50:31 ON 16 MAR 2005

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FILE COVERS 1907 - 16 Mar 2005 VOL 142 ISS 12

FILE LAST UPDATED: 15 Mar 2005 (20050315/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 13

L4 1 L3

=> d 14 ti fbib abs

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

TI Studies on crude drugs effective on visceral larva migrans. XVIII.
 Synthesis and nematocidal activity of aralkyl- and aralkenylamides related
 to piperamide on second-stage larvae of *Toxocara canis*
 AN 1997:271262 CAPLUS
 DN 127:12984
 TI Studies on crude drugs effective on visceral larva migrans. XVIII.
 Synthesis and nematocidal activity of aralkyl- and aralkenylamides related
 to piperamide on second-stage larvae of *Toxocara canis*
 AU Hiuchi, Fumiyuki; Nakamura, Norio; Saitoh, Makiko; Komagome, Kazue;
 Hiramatsu, Hirokuni; Takimoto, Noriaki; Akao, Nobuaki; Kondo, Kaoru;
 Tsuda, Yoshisuke
 CS Faculty Pharmaceutical Sci., Kanazawa Univ., Kanazawa, 920, Japan
 SO Chemical & Pharmaceutical Bulletin (1997), 45(4), 685-696
 CODEN: CPBTAL; ISSN: 0009-2363
 PB Pharmaceutical Society of Japan
 DT Journal
 LA English
 AB Seventy-nine aralkyl- and aralkenylamides related to piperamides were
 synthesized and their nematocidal activity against second-stage larvae of
 dog roundworm, *Toxocara canis*, was examined. The activity was greatly
 dependent on the alkyl chain length and the nature of the amine moiety,
 but was slightly affected by the presence or absence of double bond(s) in
 the chain. The alkyl chain lengths which showed the strongest activity in
 a series of homologs were $m = 11$ for the pyrrolidine amides and $m = 13$ for
 the N-methylpiperazine amides. Although piperamides (3,4-
 methylenedioxyphenyl homologs) showed the strongest activity among the
 homologs tested, methoxy substituent(s) on the aromatic ring did not have
 much effect on the activity. However, conversion of the methoxy group to
 a hydroxy group greatly decreased the activity and shortened the chain
 length giving the strongest activity. Calculated log P values of non-phenolic
 aryl-piperamides fell in the range from 3.5 to 4.5, whereas those of
 hydroxyphenyl-piperamides were smaller, suggesting that different
 mechanisms are involved in the nematocidal activity of phenolic and
 non-phenolic compds.
 RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	3.55	24.61
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.73	-1.46

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 08:51:51 ON 16 MAR 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
 SESSION RESUMED IN FILE 'CAPLUS' AT 09:16:25 ON 16 MAR 2005

FILE 'CAPLUS' ENTERED AT 09:16:25 ON 16 MAR 2005
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.55	24.61

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-1.46

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.00	25.06

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-1.46

FILE 'REGISTRY' ENTERED AT 09:16:56 ON 16 MAR 2005
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DICTIONARY FILE UPDATES: 15 MAR 2005 HIGHEST RN 845699-17-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e 2,4,6,8-Nonatetraenoic acid, 9-phenyl-/cn

E1	1	2,4,6,8-NONATETRAENOIC ACID, 9-NITRO-, ETHYL ESTER/CN
E2	1	2,4,6,8-NONATETRAENOIC ACID, 9-NITRO-, ETHYL ESTER, (ALL-E)-/CN
E3	1 -->	2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-/CN
E4	1	2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, (2E,4E,6E,8E)-/CN
E5	1	2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, (ALL-E)-/CN
E6	1	2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, ETHYL ESTER/CN
E7	1	2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER/CN
E8	1	2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER, (2E,4E,6E,8E)-/CN
E9	1	2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER, (ALL-E)-/CN
E10	1	2,4,6,8-NONATETRAENOIC ACID, METHYL ESTER, IRON COMPLEX, (E,E,E)-/CN
E11	1	2,4,6,8-NONATETRAENOIC-2-14C ACID, 3,7-DIMETHYL-9-(2,6,6-TRIMETHYL-1-CYCLOHEXEN-1-YL)-/CN
E12	1	2,4,6,8-NONATETRAENOPHENONE, 2'-(DIMETHYLAMINO)-5,9-BIS(O-(DIMETHYLAMINO) PHENYL)-/CN

=> e3

L5 1 "2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-"/CN

=> d 15

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN 103582-06-5 REGISTRY
CN 2,4,6,8-Nonatetraenoic acid, 9-phenyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H14 O2
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PRP (Properties); NORL (No role in record)

Ph-CH=CH-CH=CH-CH=CH-CH=CH-CO₂H

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.87	31.93
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.46

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FILE COVERS 1907 - 16 Mar 2005 VOL 142 ISS 12
FILE LAST UPDATED: 15 Mar 2005 (20050315/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 15

=> d 16 1-2 ti fbib abs

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Structural effect of π -electron excessive conjugative groups
 AN 1986:478376 CAPLUS
 DN 105:78376
 TI Structural effect of π -electron excessive conjugative groups
 AU Tai, Tsuichen; Hu, Weixiao; Chiang, Mingchien
 CS Inst. Chem., Acad. Sin., Beijing, Peop. Rep. China
 SO Fenzi Kexue Yu Huaxue Yanjiu (1985), 5(2), 141-51
 CODEN: FKYYDG
 DT Journal
 LA Chinese
 AB The structural effects of π -electron excessive groups R (R = NH₂, NMe₂, NHAc, SMe, SEt, SH, OMe, OEt, OBu, O₂CMe) on electronic spectra of 18 conjugated homologous polyenic, aromatic polyenic, and polyphenyl systems (200 compds.) were determined

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Reduction of unsaturated acid amides to unsaturated aldehydes; a contribution to the synthesis of polyene chains
 AN 1953:18971 CAPLUS
 DN 47:18971
 OREF 47:3270c-i, 3271a-d
 TI Reduction of unsaturated acid amides to unsaturated aldehydes; a contribution to the synthesis of polyene chains
 AU Wittig, Georg; Hornberger, Paul
 CS Univ. Tübingen, Germany
 SO Ann. (1952), 577, 11-25
 DT Journal
 LA Unavailable
 OS CASREACT 47:18971
 AB Mixed at -78° and then heated 24 hrs. at 125° in a sealed tube (or autoclave), 2.7 g. LiH and 7.1 g. BF₃.Et₂O in absolute Et₂O gave 4 g. LiBH₄.Et₂O (I), extremely hygroscopic, forming a solution without decomposing. Heated at 33°, I lost Et₂O, giving LiBH₄, m. 278-9°, exploding when heated in a free flame. Similarly formed from NaH was NaBH₄, insol. in Et₂O, soluble in iso-PrNH₂. Heated under N at 175°, 11.5 g. B(OBu)₃ (II) and 0.4 g. LiH, followed by Et₂O addition, gave 10 g. Li[BH(OBu)₃].0.5Et₂O (III), rectangles, decomposing in air, yielding H with H₂O or alc., soluble in tetrahydrofuran (IIIa), slightly soluble in Et₂O and C₆H₆, practically insol. in dioxane. II heated with excess LiH gave I. Techniques for analyzing the various Li derivs. are outlined. Ph₂Zn (2.2 g.) and 0.8 g. LiH warmed to 90°, treated with Et₂O, and "dried" over paraffin gave 2.5 g. Li[ZnHPh₂].Et₂O, having solubilities similar to those of III. Ph₂Be from Ph₂Hg (cf. C.A. 45, 5556b) was freed from xylene by distillation under N, taken up in Et₂O, and separated from BeHg, giving Ph₂Be.2Et₂O (IV), cubes, m. 28-32°, losing Et₂O when heated in vacuo at 130°. IV (3.1 g.) and 0.8 g. LiH under N at 160-5°, followed by Et₂O extraction, gave Li(BeHPh₂).Et₂O, rhombs (stored under N), decomposing in air with evolution of heat and light, giving H on treatment with H₂O. PhCH:CHCOCl (V) (8.4 g.) and Ph₂NH in absolute Et₂O gave 13.3 g. PhCH:CHCONPh₂ (VI), m. 152-3°. VI (3 g.) suspended in 15 cc. dry Et₂O, heated 1 hr. with M I, and treated with aqueous HCl was not reduced, but gave 90% of a stereoisomeric or polymorphic modification (VII) of VI, leaflets, m. 191-2°, which, when inoculated at 130° with VI, gave the latter. However molten VI was not converted into VII by inoculation. VII was also obtained by heating VI with LiAlH₄ (VIII) in IIIa or Et₂O, unless a large excess VIII was used, whereupon VII was no longer formed, but 37% PhCH:CHCH₂OH, b_{0.1} 135-8°

(phenylurethan, m. 89-91°), was obtained (in the Et2O extract). V (18.3 g.) and 16.7 g. carbazole (IX), stirred 0.5 hr. at 200°, cooled, triturated with 100 cc. MeOH, and cooled to 0°, gave 21 g. 9-cinnamoyl derivative (X) of IX, m. 96-6.5°. With VIII, X in Et2O at 0°, followed by addition of PhNHNH2, gave a mixture of 2.55 g. PhCH:CHCH:NNHPh, m. 166-7°, and IX (subliming from the mixture at 0.1 mm. and 120°). Ph(CH:CH)2COCl in absolute Et2O and Me2NH.HCl, treated dropwise with concentrated aqueous KOH, gave 88% Ph(CH:CH)2CONMe2 (XI), m. 109-10° (from C6H6-petr. ether). XI was not reduced by I or VIII, but with VIII gave an unstable isomer of XI (cis-trans?), m. 70-2° (from cyclohexane in the dark), reconverted into XI on standing or on repeated crystallization Ph(CH:CH)2COCl (9.6 g.) heated with 8.4 g. IX in xylene gave 10.1 g. 9-Ph-(CH:CH)2CO derivative (XII) of IX, lemon-yellow leaflets, m. 124-5°. I heated with XII in Et2O, followed by addition of aqueous HCl, gave 62% Ph(CH:CH)2CHO (phenylhydrazone, m. 177-9°), also formed in 72.9% yield by heating XII with VIII. Ph(CH:CH)3CHO, m. 114-15° (18.4 g.), refluxed 3 hrs. with 13.5 g. CH2(CO2H)2 in 100 cc. pyridine and 1 cc. piperidine, poured into an excess aqueous H2SO4, and the resulting precipitate decarboxylated by heating 1 hr. with 100 cc. Ac2O gave 52% Ph(CH:CH)4CO2H, yellow leaflets, m. 213-14° (from AcOH, then xylene), whose acid chloride (hygroscopic crystals) with the K derivative of IX in xylene gave 68% of the 9-Ph(CH:CH)4CO derivative (XIII) of IX, yellow needles, m. 190.5-91.5° (after crystallization from AcOEt, followed by solution in HCONMe2 and precipitation with alc.). The K derivative of IX and HO2CCH2COCl gave the 9-carboxyacetyl derivative (XIV) of IX, m. 135-7° (loss of CO2) (from Et2O, precipitated with petr. ether). Ph(CH:CH)3CHO and XIV in cold pyridine, treated with a few drops each of piperidine and AcOH and heated 2 hrs. at 70-80°, gave CO2 and (after cooling to 0°) XIII. Reduction of 10 millimoles XIII in 30 cc. IIIa with 2.5 cc. molar VIII in Et2O gave after acidification and CHCl3 extraction, 1.42 g. IX and, in the extract, 1.7 g. Ph(CH:CH)4CHO (XV), carmine, m. 141-3° (after sublimation at 130° and 0.1 mm.); phenylhydrazone, m. 224-6° (from HCONMe2). The reduction of XIII was also carried out with other hydrides, giving the following yields (%) of XV: with I 69, III 68, Li(ZnHPh2) 45, and Li(BeHPh2), 37. XV was separated from its contaminants by the use of Girard reagent D. In all cases 74-80% IX was also isolated. XIV and Ph(CH:CH)5CHO, m. 181-3°, under the above conditions, gave the Ph(CH:CH)6CO derivative of IX, dark red needles, m. 206-7° (from HCONMe2), which was reduced with VIII to 91% IX and 60% Ph(CH:CH)6CHO, carmine, m. 210-13° (subliming at 180° and 0.01 mm.) [phenylhydrazone, m. about 250° (decomposition)]. AcONMe2 failed to react with PhCH:CHCHO in the presence of EtOK. The 9-Ac derivative of IX treated with PhCH:CHCHO and KOEt at 0° followed by acidification in EtOH, gave 94% IX and only about 1% (impure) XII. On the other hand, PhCH:CHCHO and 9-acetyl-4-nitrocarbazole (XVI) in absolute EtOH with KOEt gave, on acidification, 74% 4-NO2 derivative of IX, m. 208-10°, 14% XVI, and, from the alc. mother liquors, after evaporation, extraction with Et2O, extraction of the Et2O layer (XVII) with aqueous Na2CO3, and acidification, 21% Ph(CH:CH)2CO2H, m. 163-4° (from C6H6). XVII extracted with aqueous NaHSO3 yielded 62% PhCH:CHCHO. 30 references.

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
10.25	42.18

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
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CA SUBSCRIBER PRICE

ENTRY	SESSION
-1.46	-2.92

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STRUCTURE FILE UPDATES: 15 MAR 2005 HIGHEST RN 845699-17-4
DICTIONARY FILE UPDATES: 15 MAR 2005 HIGHEST RN 845699-17-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e5

L7 1 "2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, (ALL-E)-"/CN

=> d 17

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN 81620-79-3 REGISTRY
CN 2,4,6,8-Nonatetraenoic acid, 9-phenyl-, (2E,4E,6E,8E)- (9CI) (CA INDEX
NAME)

OTHER CA INDEX NAMES:

CN 2,4,6,8-Nonatetraenoic acid, 9-phenyl-, (all-E)-

OTHER NAMES:

CN 9-phenyl-2E,4E,6E,8E-nonatetraenoic acid

CN Beesic acid

FS STEREOSEARCH

MF C15 H14 O2

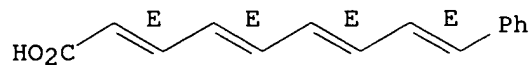
LC STN Files: BEILSTEIN*, CA, CAPLUS

(*File contains numerically searchable property data)

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study); OCCU (Occurrence);
PREP (Preparation); PRP (Properties)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.87

49.05

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-2.92

FILE 'CAPLUS' ENTERED AT 09:24:11 ON 16 MAR 2005

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FILE COVERS 1907 - 16 Mar 2005 VOL 142 ISS 12

FILE LAST UPDATED: 15 Mar 2005 (20050315/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 17

L8 2 L7

=> d his

(FILE 'HOME' ENTERED AT 08:30:18 ON 16 MAR 2005)

FILE 'REGISTRY' ENTERED AT 08:30:41 ON 16 MAR 2005

E 2-PENTENEDIOIC ACID, 4-[[(3,4-DICHLOROPHENYL)AMINO]METHYLENE]

E 2-PENTENEDIOIC ACID, 4-(((3,4-DICHLOROPHENYL)AMINO)METHYLENE)

L1 1 E3

FILE 'CAPLUS' ENTERED AT 08:32:44 ON 16 MAR 2005

L2 1 L1

FILE 'REGISTRY' ENTERED AT 08:49:56 ON 16 MAR 2005

E 2-TRIDECENOIC ACID, 13-(1,3-BENZODIOXOL-5-YL)-, (E)-/CN

L3 1 E3

FILE 'CAPLUS' ENTERED AT 08:50:31 ON 16 MAR 2005

L4 1 L3

FILE 'REGISTRY' ENTERED AT 09:16:56 ON 16 MAR 2005

E 2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-/CN

L5 1 E3

FILE 'CAPLUS' ENTERED AT 09:17:23 ON 16 MAR 2005

L6 2 L5

FILE 'REGISTRY' ENTERED AT 09:23:48 ON 16 MAR 2005

L7 1 E5

FILE 'CAPLUS' ENTERED AT 09:24:11 ON 16 MAR 2005

L8 2 L7

=> 18 not 16

L9 2 L8 NOT L6

=> d 19 1-2 ti fbib abs

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

TI New triterpenic glucoside from *Beesia calthaefolia* (Maxim.) Ulbr. native to China

AN 2001:859289 CAPLUS

DN 136:306716

TI New triterpenic glucoside from *Beesia calthaefolia* (Maxim.) Ulbr. native to China

AU Ju, Jianhua; Liu, Dong; Lin, Geng; Xu, Xudong; Yang, Junshan; Tu, Guangzhong; Ma, Libin

CS Institute of Medicinal Plant Development, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, 100094, Peop. Rep. China

SO Zhiwu Xuebao (2001), 43(9), 983-987

CODEN: CHWHAY; ISSN: 0577-7496

PB Kexue Chubanshe

DT Journal

LA Chinese

AB Five compds. (1-5) were isolated from the rhizome of *Beesia calthaefolia* (Maxim.) Ulbr. Based on chemical and spectral evidence, their structures were determined as beesic acid (9-phenyl-2E,4E,6E,8E-nonatetraenoic acid, 1), vanillic acid (2), oleanolic acid-3-O- α -L-arabinopyranosyl-28-O- α -L-rhamnopyranosyl-(1-4)- β -D-glucopyranosyl-(1-6)- β -D-glucopyranosyl ester (3), hederasaponin B (oleanolic acid-3-O- α -L-rhamnopyranosyl-(1-2)- α -L-arabinopyranosyl-28-O- α -L-rhamnopyranosyl-(1-4)- β -D-glucopyranosyl-(1-6)- β -D-glucopyranosyl ester, 4) and beesioside Q (oleanolic acid-3-O- β -D-glucopyranosyl-(1-3)- α -L-rhamnopyranosyl-(1-2)- α -L-arabinopyranosyl-28-O- α -L-rhamnopyranosyl-(1-4)- β -D-glucopyranosyl-(1-6)- β -D-glucopyranosyl ester, 5), resp. Compound 1 was isolated from natural sources for the first time and compound 5 was a new compound

L9 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

TI Structural effect in cross conjugative systems. IV. Properties of α -carboxyphenylpolyenic cyanides and the quantum chemical calculation of orbital energy and bond order

AN 1982:180289 CAPLUS

DN 96:180289

TI Structural effect in cross conjugative systems. IV. Properties of α -carboxyphenylpolyenic cyanides and the quantum chemical calculation of orbital energy and bond order

AU Liang, Desheng; Lai, Chugen; Chiang, Mingchien

CS Inst. Chem., Acad. Sin., Shanghai, Peop. Rep. China

SO Fenzi Kexue Xuebao (1981-1982) (1981), 1(1), 17-30

CODEN: FKXUDX; ISSN: 0253-3677

DT Journal

LA Chinese

AB all-trans-Ph(CH:CH)_nCH:C(CN)CO₂H (I) are prepared and their UV and mass spectra are observed. The MO, π -energy differences, and π -bond orders of I are calculated by CNDO/2. The properties of I are correctly calculated by using the extended form of the homologous equation for the corresponding linear conjugated system (ω -phenylpolyenic nitriles) with an

α -CO₂H group substituent. Cross-conjugated systems may be generally treated by allowing 1 of the 2 branches to become the terminal group of a linear conjugated system while the other branch becomes the substituent.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.10	56.15
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.46	-4.38

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STRUCTURE FILE UPDATES: 15 MAR 2005 HIGHEST RN 845699-17-4
 DICTIONARY FILE UPDATES: 15 MAR 2005 HIGHEST RN 845699-17-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e e1

E1	1	2,4,6,8-NONATETRAENOIC ACID, 9-iodo-3,7-dimethyl-, ethyl ester, (2E,4E,6E,8Z)-/CN
E2	1	2,4,6,8-NONATETRAENOIC ACID, 9-iodo-3,7-dimethyl-, ethyl ester, (2E,4E,6Z,8E)-/CN
E3	1 -->	2,4,6,8-NONATETRAENOIC ACID, 9-nitro-, ethyl ester/CN
E4	1	2,4,6,8-NONATETRAENOIC ACID, 9-nitro-, ethyl ester, (ALL-E)-/CN
E5	1	2,4,6,8-NONATETRAENOIC ACID, 9-phenyl-/CN
E6	1	2,4,6,8-NONATETRAENOIC ACID, 9-phenyl-, (2E,4E,6E,8E)-/CN
E7	1	2,4,6,8-NONATETRAENOIC ACID, 9-phenyl-, (ALL-E)-/CN
E8	1	2,4,6,8-NONATETRAENOIC ACID, 9-phenyl-, ethyl ester/CN
E9	1	2,4,6,8-NONATETRAENOIC ACID, 9-phenyl-, methyl ester/CN
E10	1	2,4,6,8-NONATETRAENOIC ACID, 9-phenyl-, methyl ester, (2E,4E,6E,8E)-/CN
E11	1	2,4,6,8-NONATETRAENOIC ACID, 9-phenyl-, methyl ester, (ALL-E)-/CN
E12	1	2,4,6,8-NONATETRAENOIC ACID, methyl ester, iron complex, (E,E)-/CN

=> e e1

E1	1	2,4,6,8-NONATETRAENOIC ACID, 9-iodo-3,7-dimethyl-, ethyl ester/CN
E2	1	2,4,6,8-NONATETRAENOIC ACID, 9-iodo-3,7-dimethyl-, ethyl ester, (2E,4E,6E,8E)-/CN

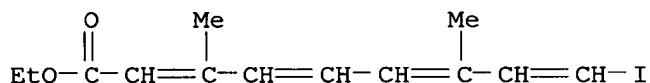
E3 1 --> 2,4,6,8-NONATETRAENOIC ACID, 9-iodo-3,7-DIMETHYL-, ETHYL ESTER, (2E,4E,6E,8Z)-/CN
 E4 1 2,4,6,8-NONATETRAENOIC ACID, 9-iodo-3,7-DIMETHYL-, ETHYL ESTER, (2E,4E,6Z,8E)-/CN
 E5 1 2,4,6,8-NONATETRAENOIC ACID, 9-NITRO-, ETHYL ESTER/CN
 E6 1 2,4,6,8-NONATETRAENOIC ACID, 9-NITRO-, ETHYL ESTER, (ALL-E)-/CN
 E7 1 2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-/CN
 E8 1 2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, (2E,4E,6E,8E)-/CN
 E9 1 2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, (ALL-E)-/CN
 E10 1 2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, ETHYL ESTER/CN
 E11 1 2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER/CN
 E12 1 2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER, (2E,4E,6E,8E)-/CN

=> e1

L10 1 "2,4,6,8-NONATETRAENOIC ACID, 9-iodo-3,7-DIMETHYL-, ETHYL ESTER"/CN

=> d 110

L10 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 256518-80-6 REGISTRY
 CN 2,4,6,8-Nonatetraenoic acid, 9-iodo-3,7-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Ethyl 9-iodo-3,7-dimethylnona-2,4,6,8-tetraenoate
 FS 3D CONCORD
 MF C13 H17 I O2
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT
 DT.CA CAplus document type: Journal
 RL.NP Roles from non-patents: PREP (Preparation)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e e12

E1 1 2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, ETHYL ESTER/CN
 E2 1 2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER/CN
 E3 1 --> 2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER, (2E,4E,6E,8E)-/CN
 E4 1 2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER, (ALL-E)-/CN
 E5 1 2,4,6,8-NONATETRAENOIC ACID, METHYL ESTER, IRON COMPLEX, (E,E,E)-/CN
 E6 1 2,4,6,8-NONATETRAENOIC-2-14C ACID, 3,7-DIMETHYL-9-(2,6,6-TRIMETHYL-1-CYCLOHEXEN-1-YL)-/CN
 E7 1 2,4,6,8-NONATETRAENOPHENONE, 2'-(DIMETHYLAMINO)-5,9-BIS(O-(DIMETHYLAMINO)PHENYL)-/CN
 E8 1 2,4,6,8-NONATETRAENOPHENONE, 4',4'''-(3-OXETANYLIDENE)BIS(MET

		HYLENEOXY)) BIS (9-PHENYL-/CN
E9	1	2,4,6,8-NONATETRAENOPHENONE, 4',9,9-TRICHLORO-/CN
E10	1	2,4,6,8-NONATETRAENOPHENONE, 4'-(2,3-EPOXYPROPOXY)-9-PHENYL-/CN
E11	1	2,4,6,8-NONATETRAENOPHENONE, 4'-(2,3-EPOXYPROPOXY)-9-PHENYL-, POLYMER WITH 2'-(2,3-EPOXYPROPOXY)ACETOPHENONE AND ETHYLENE OXIDE/CN
E12	1	2,4,6,8-NONATETRAENOPHENONE, 4'-(2,3-EPOXYPROPOXY)-9-PHENYL-, POLYMER WITH ETHYLENE OXIDE/CN

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
8.16	64.31

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-4.38

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 09:28:54 ON 16 MAR 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'REGISTRY' AT 09:35:04 ON 16 MAR 2005

FILE 'REGISTRY' ENTERED AT 09:35:04 ON 16 MAR 2005

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
8.16	64.31

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-4.38

CA SUBSCRIBER PRICE

=>

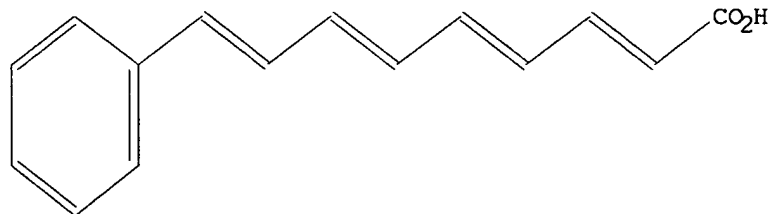
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10025947\10025947 phenylnonatetraenoic acid.str

L11 STRUCTURE UPLOADED

=> d l11

L11 HAS NO ANSWERS

L11 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l11 sss sam

SAMPLE SEARCH INITIATED 09:35:32 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 38 TO ITERATE

100.0% PROCESSED 38 ITERATIONS

7 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 391 TO 1129

PROJECTED ANSWERS: 7 TO 298

L12 7 SEA SSS SAM L11

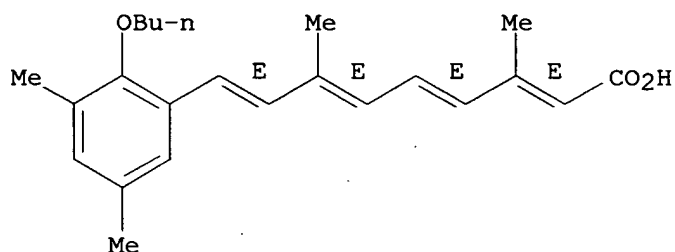
=> d scan

L12 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 2,4,6,8-Nonatetraenoic acid, 9-(2-butoxy-3,5-dimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)

MF C23 H30 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

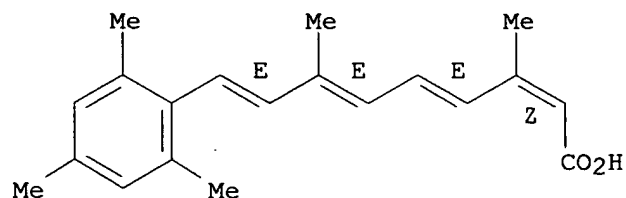
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):7

L12 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,4,6-trimethylphenyl)-, (Z,E,E,E)- (9CI)

MF C20 H24 O2

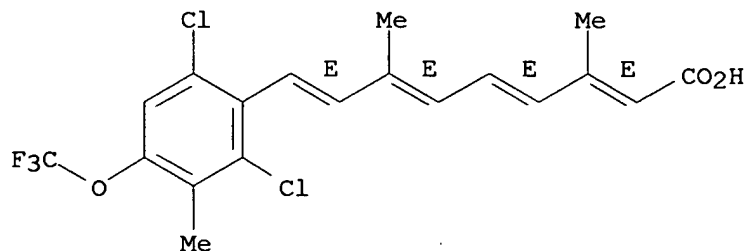
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

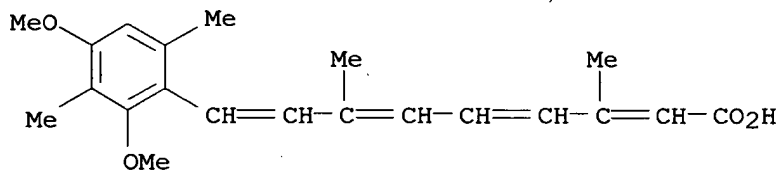
L12 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2,6-dichloro-3-methyl-4-(trifluoromethoxy)phenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C19 H17 Cl2 F3 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

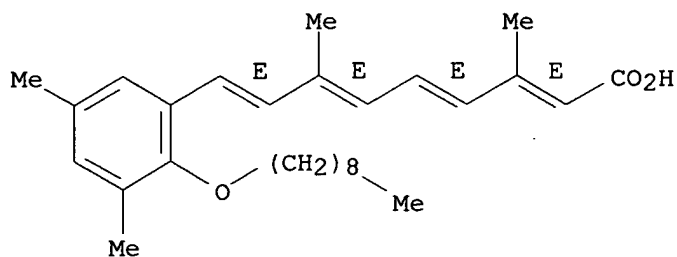
L12 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2,4-dimethoxy-3,6-dimethylphenyl)-3,7-dimethyl- (9CI)
MF C21 H26 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L12 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[3,5-dimethyl-2-(nonyloxy)phenyl]-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
MF C28 H40 O3

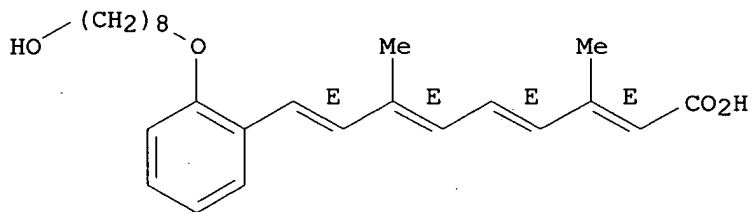
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L12 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-[2-[(8-hydroxyoctyl)oxy]phenyl]-3,7-
 dimethyl-, (all-E)- (9CI)
 MF C25 H34 O4

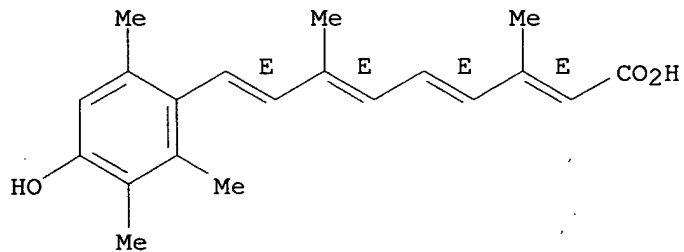
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L12 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(4-hydroxy-2,3,6-trimethylphenyl)-3,7-
 dimethyl-, (2E,4E,6E,8E)- (9CI)
 MF C20 H24 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> search l11 sss full
 FULL SEARCH INITIATED 09:37:48 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 698 TO ITERATE

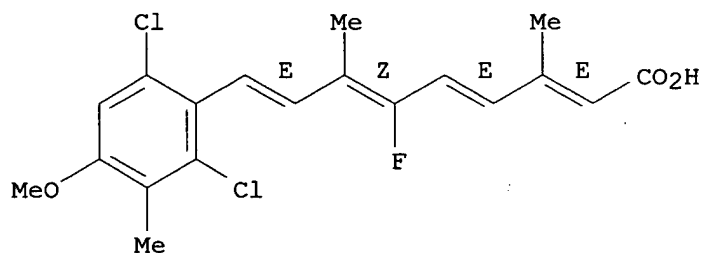
100.0% PROCESSED 698 ITERATIONS 128 ANSWERS
 SEARCH TIME: 00.00.01

L13 128 SEA SSS FUL L11

=> d scan

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(2,6-dichloro-4-methoxy-3-methylphenyl)-6-fluoro-3,7-dimethyl-, (Z,E,E,E)- (9CI)
 MF C19 H19 Cl2 F O3

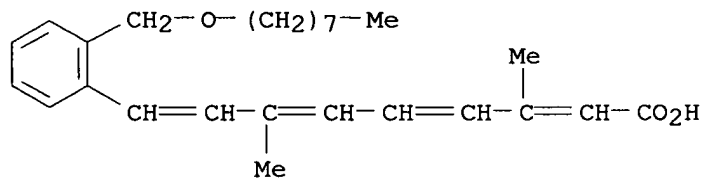
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

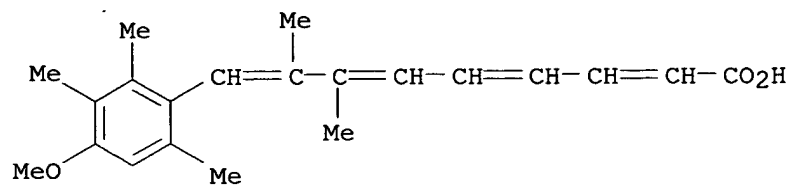
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-[(octyloxy)methyl]phenyl]- (9CI)
 MF C26 H36 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-7,8-dimethyl- (9CI)

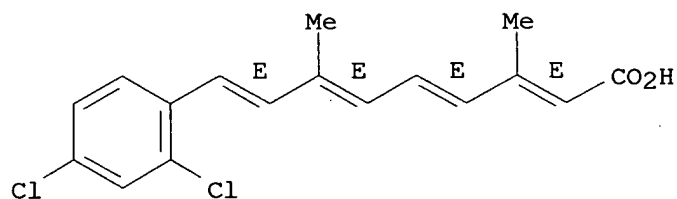
MF C21 H26 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2,4-dichlorophenyl)-3,7-dimethyl-,
(all-E)- (9CI)
MF C17 H16 Cl2 O2

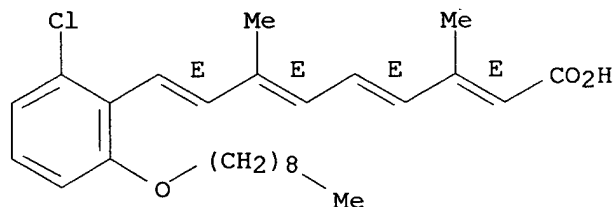
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-chloro-6-(nonyloxy)phenyl]-3,7-dimethyl-,
(all-E)- (9CI)
MF C26 H35 Cl O3

Double bond geometry as shown.

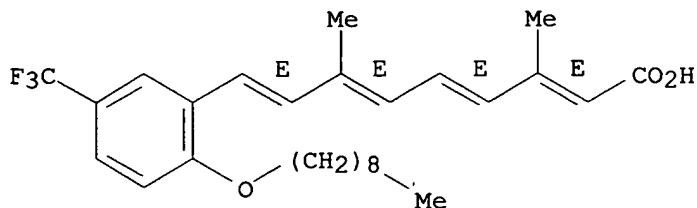


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(nonyloxy)-5-

(trifluoromethyl)phenyl]-, (all-E)- (9CI)
MF C27 H35 F3 O3

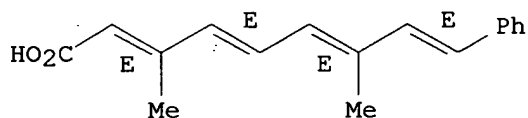
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-phenyl-, (2E,4E,6E,8E)- (9CI)
MF C17 H18 O2

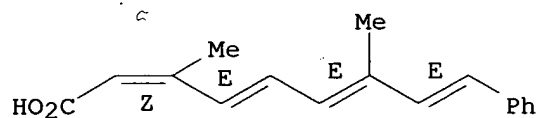
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-phenyl-, (Z,E,E,E)- (9CI)
MF C17 H18 O2

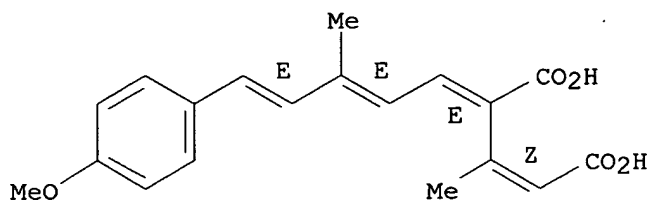
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

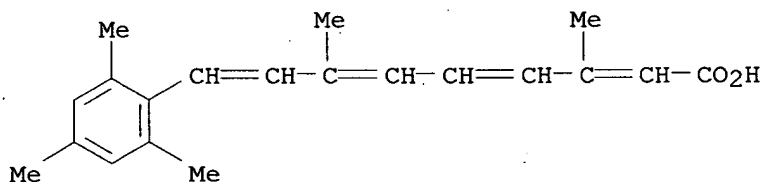
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Pentenedioic acid, 4-[5-(4-methoxyphenyl)-3-methyl-2,4-pentadienyldiene]-3-methyl-, (Z,E,E,E)- (9CI)
MF C19 H20 O5

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

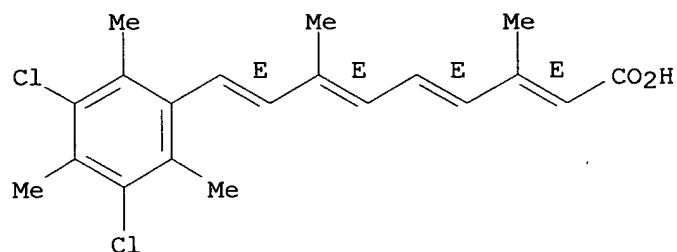
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,4,6-trimethylphenyl)- (9CI)
 MF C20 H24 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

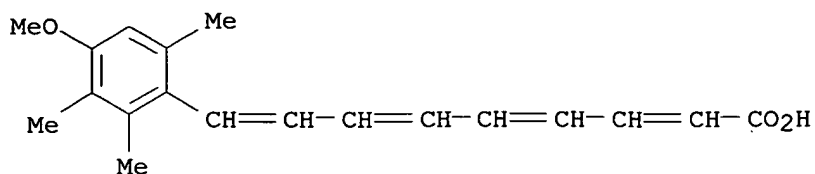
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(3,5-dichloro-2,4,6-trimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
 MF C20 H22 Cl2 O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

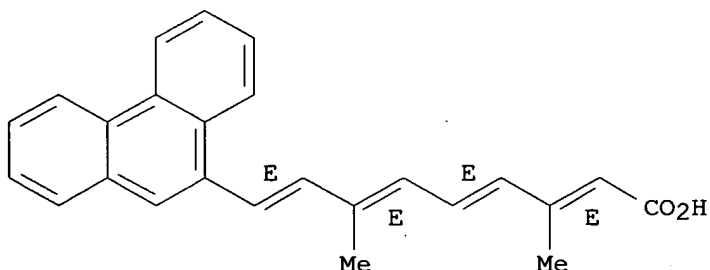
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)- (9CI)
 MF C19 H22 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

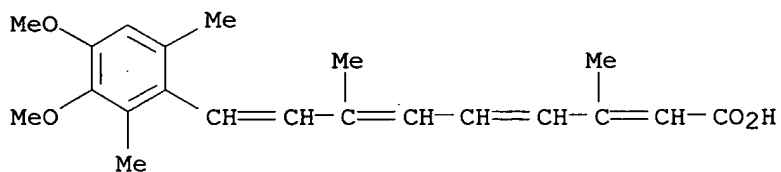
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(9-phenanthrenyl)-,
 (2E,4E,6E,8E)- (9CI)
 MF C25 H22 O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

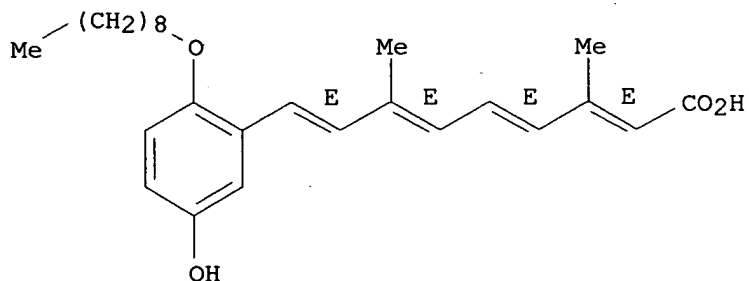
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(3,4-dimethoxy-2,6-dimethylphenyl)-3,7-
 dimethyl- (9CI)
 MF C21 H26 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-[5-hydroxy-2-(nonyloxy)phenyl]-3,7-dimethyl-
 , (all-E)- (9CI)
 MF C26 H36 O4

Double bond geometry as shown.



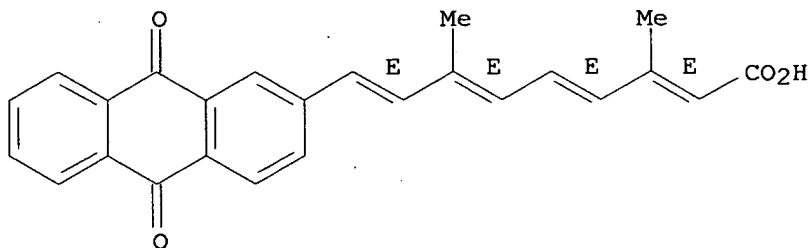
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 2,4,6,8-Nonatetraenoic acid, 9-(9,10-dihydro-9,10-dioxo-2-anthracenyl)-3,7-dimethyl-, (all-E)- (9CI)

MF C25 H20 O4

Double bond geometry as shown.



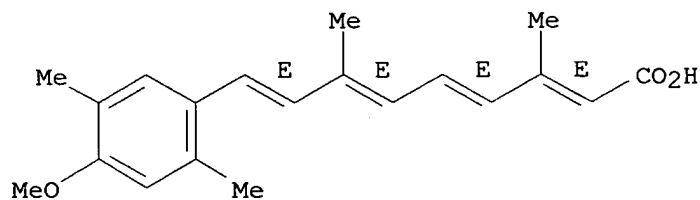
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,5-dimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)

MF C20 H24 O3

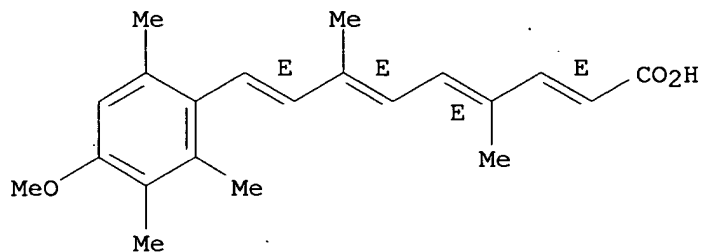
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-4,7-dimethyl-, (all-E)- (9CI)
 MF C21 H26 O3

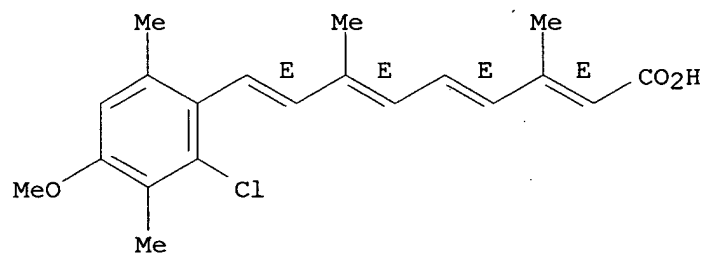
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

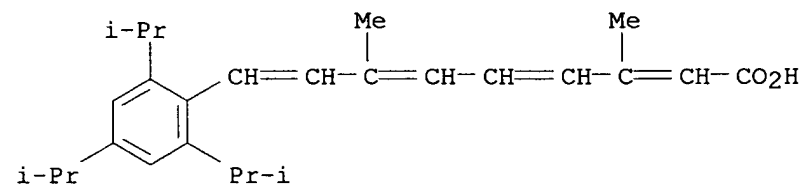
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(2-chloro-4-methoxy-3,6-dimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
 MF C20 H23 Cl O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

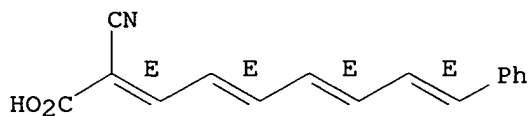
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2,4,6-tris(1-methylethyl)phenyl]- (9CI)
 MF C26 H36 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 2-cyano-9-phenyl-, (all-E)- (9CI)
MF C16 H13 N O2

Double bond geometry as shown.

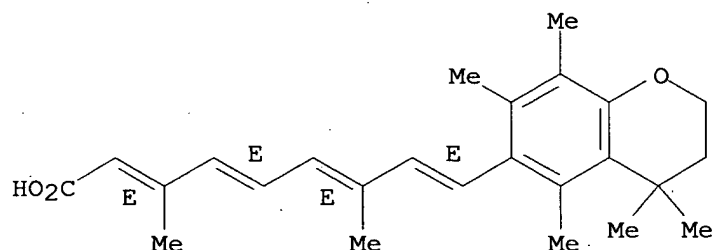


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

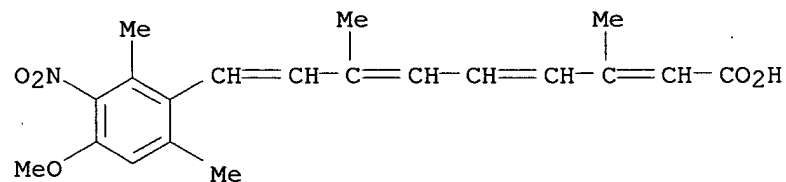
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3,4-dihydro-4,4,5,7,8-pentamethyl-2H-1-benzopyran-6-yl)-3,7-dimethyl-, (all-E)- (9CI)
MF C25 H32 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

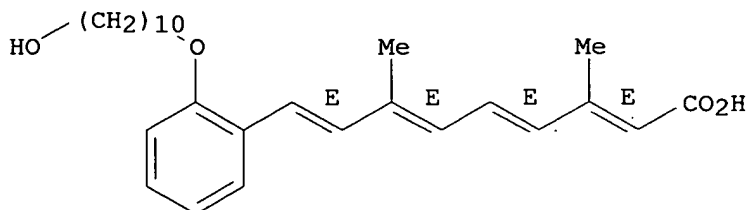
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,6-dimethyl-3-nitrophenyl)-3,7-dimethyl- (9CI)
MF C20 H23 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-[(10-hydroxydecyl)oxy]phenyl]-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
MF C27 H38 O4

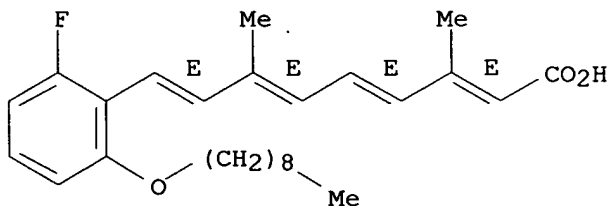
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-fluoro-6-(nonyloxy)phenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C26 H35 F O3

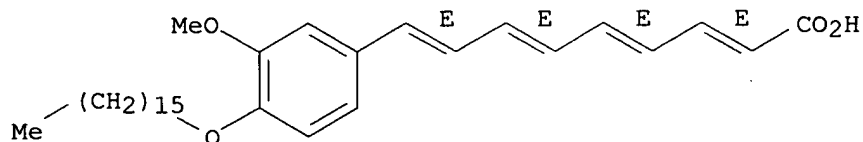
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

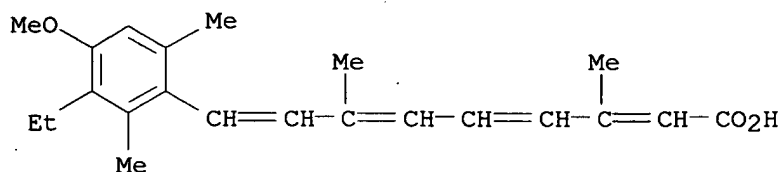
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[4-(hexadecyloxy)-3-methoxyphenyl]-, (2E,4E,6E,8E)- (9CI)
MF C32 H48 O4

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

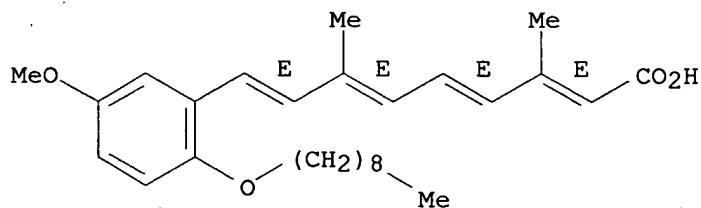
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3-ethyl-4-methoxy-2,6-dimethylphenyl)-3,7-
dimethyl- (9CI)
MF C22 H28 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[5-methoxy-2-(nonyloxy)phenyl]-3,7-dimethyl-
, (all-E)- (9CI)
MF C27 H38 O4

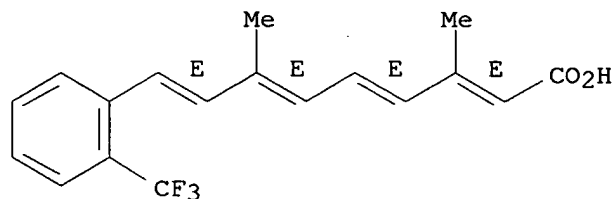
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

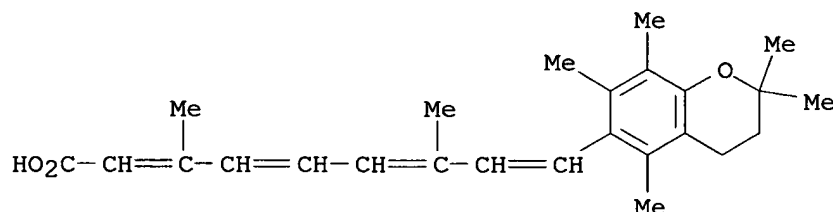
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(trifluoromethyl)phenyl]-,
(all-E)- (9CI)
MF C18 H17 F3 O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

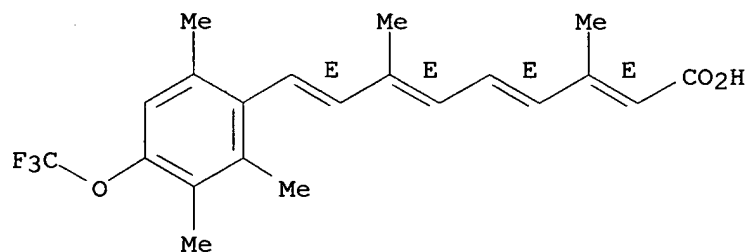
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3,4-dihydro-2,2,5,7,8-pentamethyl-2H-1-benzopyran-5-yl)-3,7-dimethyl- (9CI)
MF C25 H32 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2,3,6-trimethyl-4-(trifluoromethoxy)phenyl]-, (all-E)- (9CI)
MF C21 H23 F3 O3

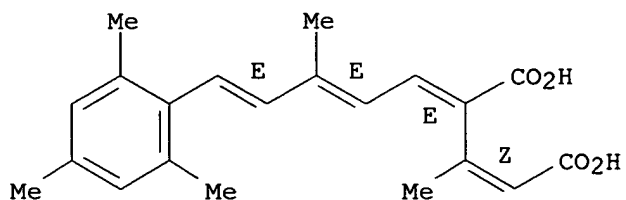
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

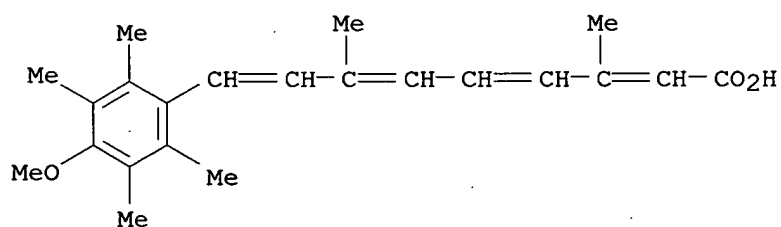
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Pentenedioic acid, 3-methyl-4-[3-methyl-5-(2,4,6-trimethylphenyl)-2,4-pentadienylidene]-, (Z,E,E,E)- (9CI)
MF C21 H24 O4

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

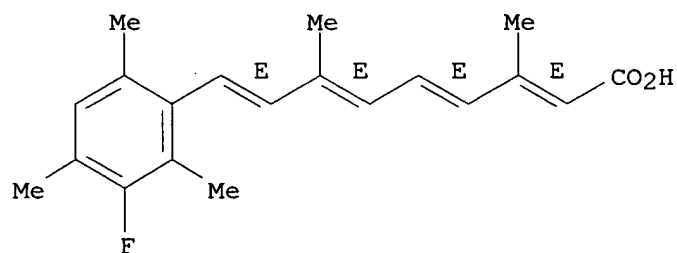
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,5,6-tetramethylphenyl)-3,7-
 dimethyl- (9CI)
 MF C22 H28 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(3-fluoro-2,4,6-trimethylphenyl)-3,7-
 dimethyl-, (all-E)- (9CI)
 MF C20 H23 F O2

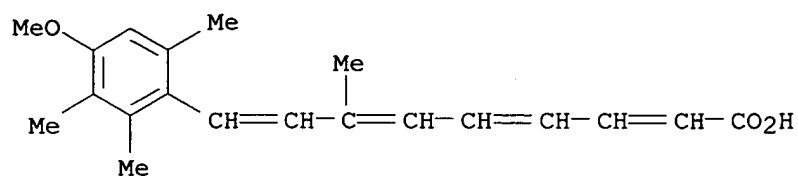
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-7-methyl-

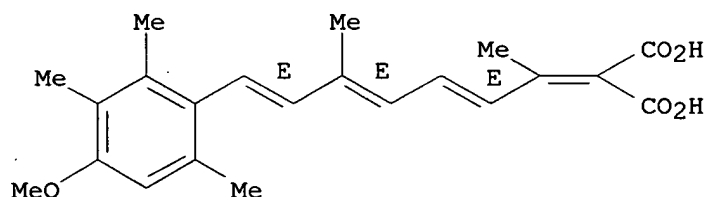
(9CI)
MF C20 H24 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Propanedioic acid, [(2E,4E,6E)-7-(4-methoxy-2,3,6-trimethylphenyl)-1,5-dimethyl-2,4,6-heptatrienylidene]- (9CI)
MF C22 H26 O5

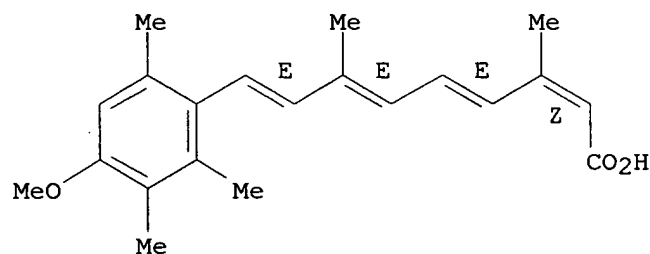
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-, (2Z,4E,6E,8E)- (9CI)
MF C21 H26 O3

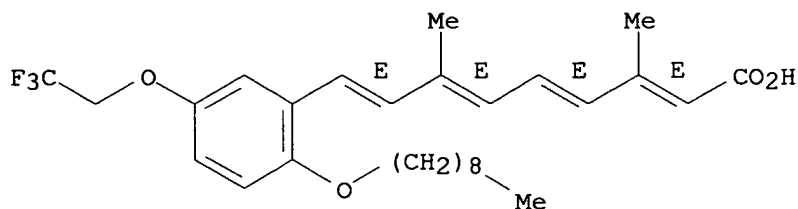
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(nonyloxy)-5-(2,2,2-trifluoroethoxy)phenyl]-, (all-E)- (9CI)
MF C28 H37 F3 O4

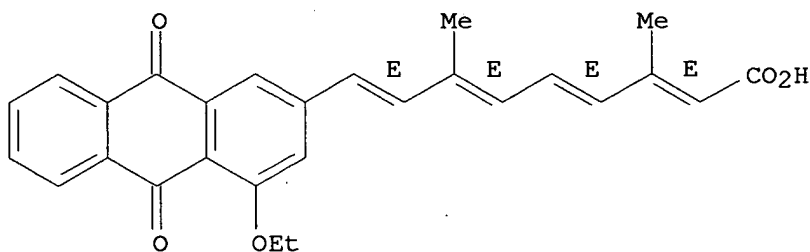
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-ethoxy-9,10-dihydro-9,10-dioxo-2-anthracenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C27 H24 O5

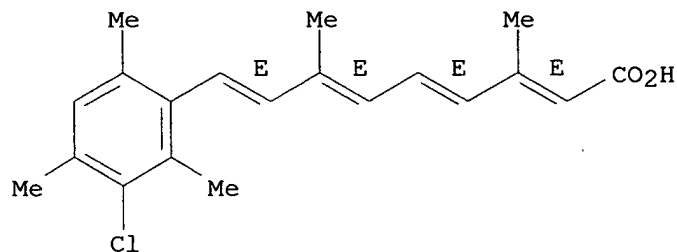
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3-chloro-2,4,6-trimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C20 H23 Cl O2

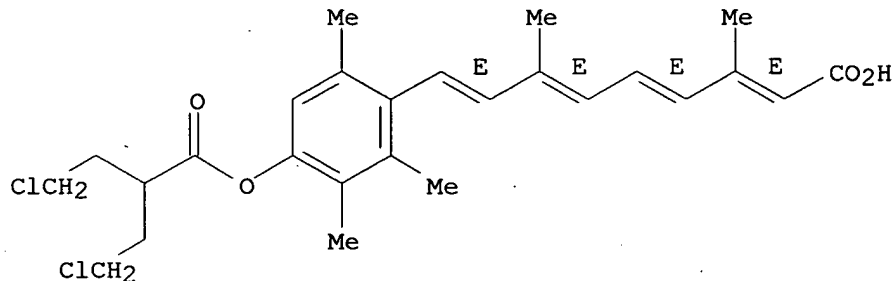
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[4-[4-chloro-2-(2-chloroethyl)-1-oxobutoxy]-
2,3,6-trimethylphenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C26 H32 Cl2 O4

Double bond geometry as shown.

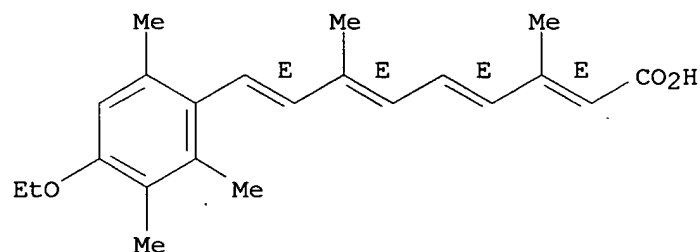


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

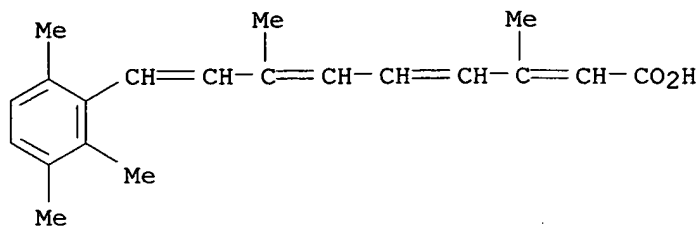
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-ethoxy-2,3,6-trimethylphenyl)-3,7-
dimethyl-, (all-E)- (9CI)
MF C22 H28 O3

Double bond geometry as shown.



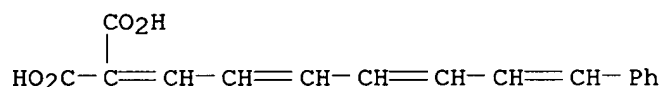
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,3,6-trimethylphenyl)- (6CI,
9CI)
MF C20 H24 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

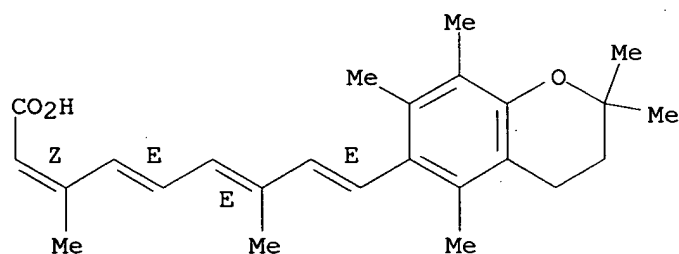
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Propanedioic acid, (7-phenyl-2,4,6-heptatrienylidene)- (9CI)
 MF C16 H14 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

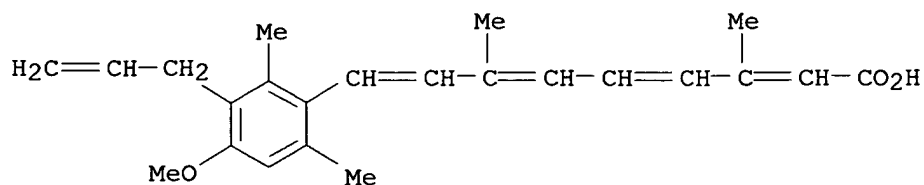
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(3,4-dihydro-2,2,5,7,8-pentamethyl-2H-1-benzopyran-6-yl)-3,7-dimethyl-, (Z,E,E,E)- (9CI)
 MF C25 H32 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

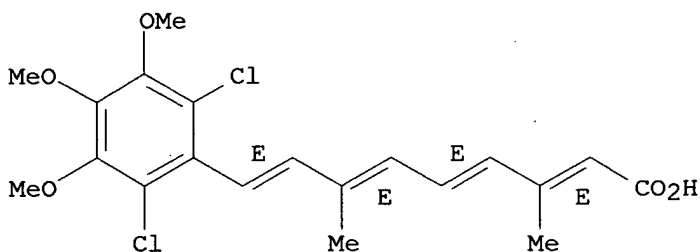
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-[4-methoxy-2,6-dimethyl-3-(2-propenyl)phenyl]-3,7-dimethyl- (9CI)
 MF C23 H28 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(2,6-dichloro-3,4,5-trimethoxyphenyl)-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
 MF C20 H22 Cl2 O5

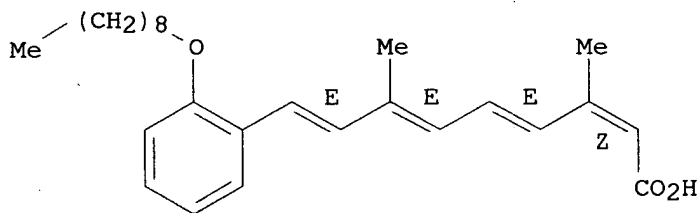
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

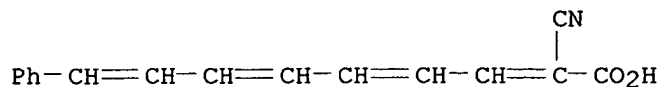
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(nonyloxy)phenyl]-, (Z,E,E,E)- (9CI)
 MF C26 H36 O3

Double bond geometry as shown.



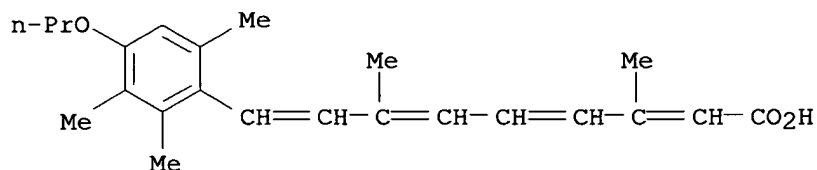
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 2-cyano-9-phenyl- (9CI)
 MF C16 H13 N O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

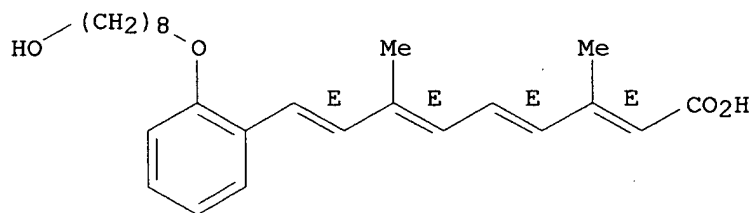
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,3,6-trimethyl-4-propoxyphenyl)- (9CI)
 MF C23 H30 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-[2-[(8-hydroxyoctyl)oxy]phenyl]-3,7-dimethyl-, (all-E)- (9CI)
 MF C25 H34 O4

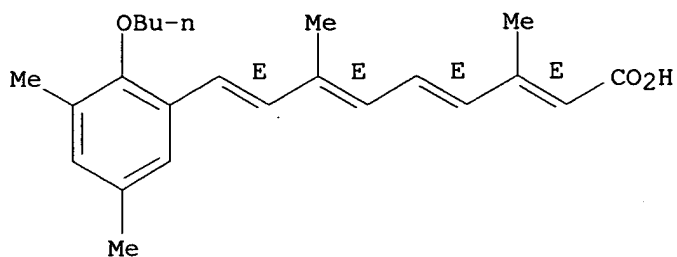
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

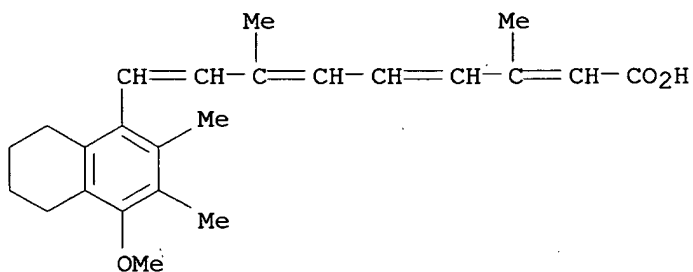
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(2-butoxy-3,5-dimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
 MF C23 H30 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

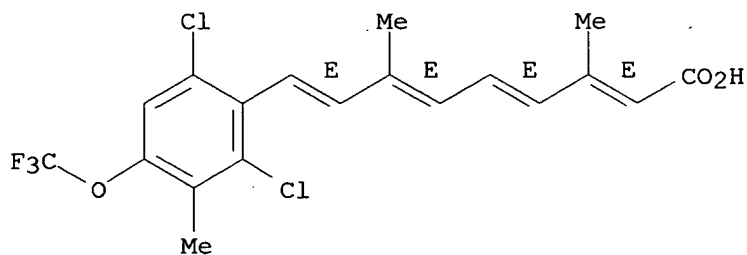
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(5,6,7,8-tetrahydro-4-methoxy-2,3-dimethyl-1-naphthalenyl)- (9CI)
 MF C24 H30 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-[2,6-dichloro-3-methyl-4-(trifluoromethoxy)phenyl]-3,7-dimethyl-, (all-E)- (9CI)
 MF C19 H17 Cl2 F3 O3

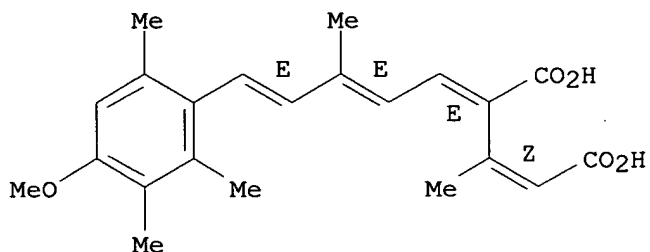
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

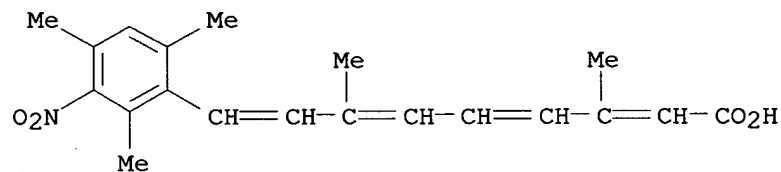
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Pentenedioic acid, 4-[5-(4-methoxy-2,3,6-trimethylphenyl)-3-methyl-2,4-pentadienylidene]-3-methyl-, (Z,E,E,E)- (9CI)
MF C22 H26 O5

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

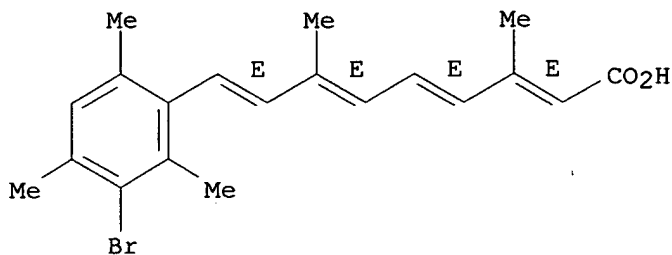
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,4,6-trimethyl-3-nitrophenyl)- (9CI)
MF C20 H23 N O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

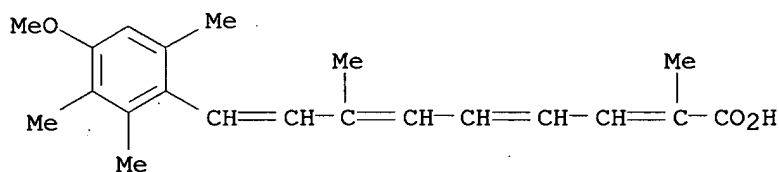
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3-bromo-2,4,6-trimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C20 H23 Br O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

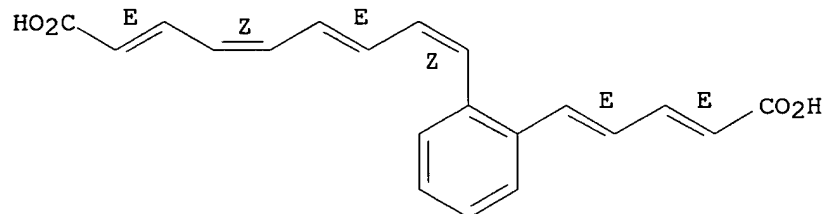
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-2,7-
 dimethyl- (9CI)
 MF C21 H26 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-[2-[(1E,3E)-4-carboxy-1,3-
 butadienyl]phenyl]-, (2E,4Z,6E,8Z)- (9CI)
 MF C20 H18 O4

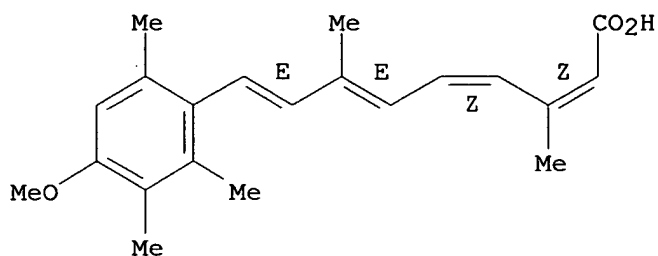
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-
 dimethyl-, (Z,E,Z,E)- (9CI)
 MF C21 H26 O3

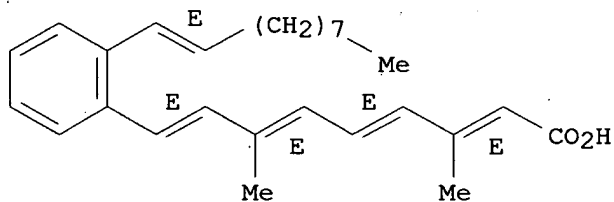
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-(1-decenyl)phenyl]-3,7-dimethyl-,
(all-E)- (9CI)
MF C27 H36 O2

Double bond geometry as shown.

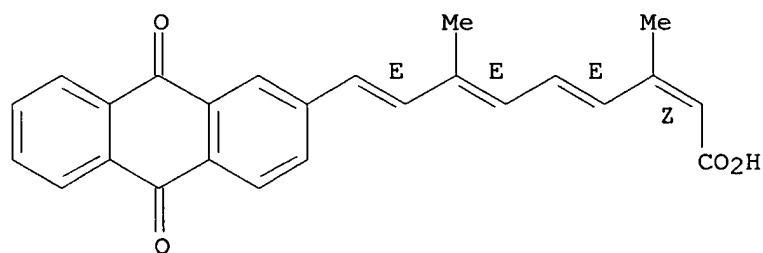


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(9,10-dihydro-9,10-dioxo-2-anthracenyl)-3,7-
dimethyl-, (2Z,4E,6E,8E)- (9CI)
MF C25 H20 O4

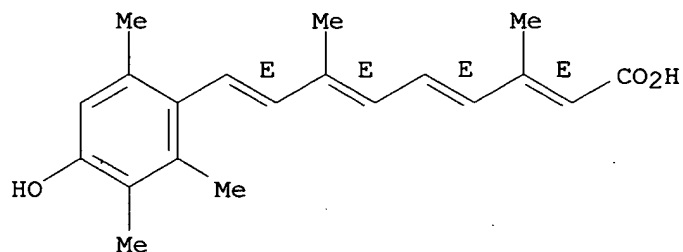
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-hydroxy-2,3,6-trimethylphenyl)-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
MF C20 H24 O3

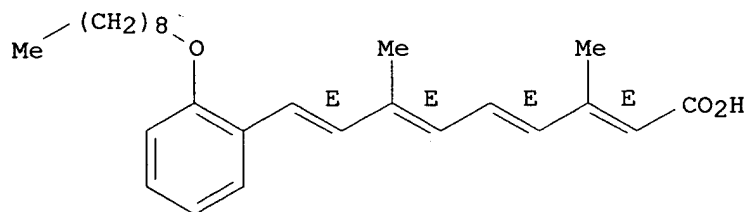
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(nonyloxy)phenyl]-, (2E,4E,6E,8E)- (9CI)
MF C26 H36 O3

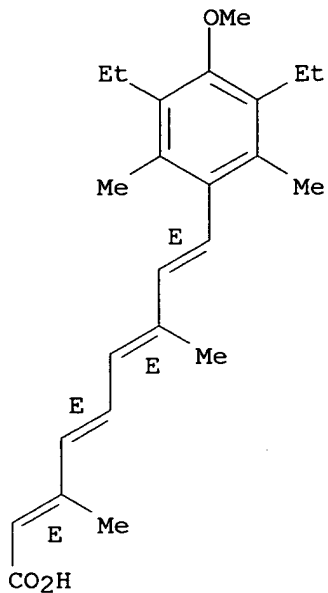
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

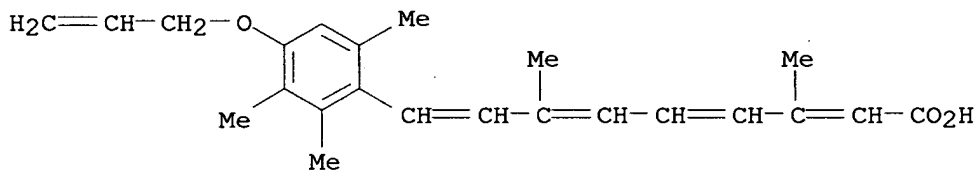
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3,5-diethyl-4-methoxy-2,6-dimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C24 H32 O3

Double bond geometry as shown.



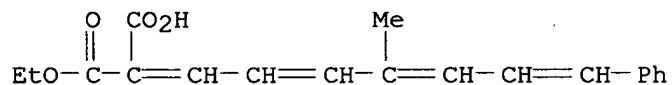
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2,3,6-trimethyl-4-(2-propenyloxy)phenyl]- (9CI)
 MF C23 H28 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

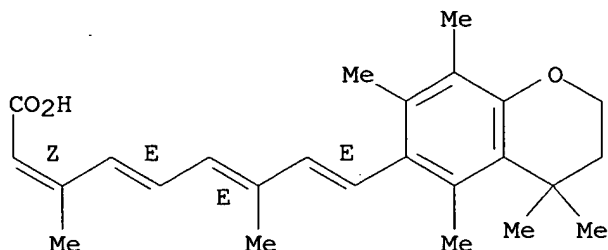
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Propanedioic acid, (4-methyl-7-phenyl-2,4,6-heptatrienyldiene)-, monoethyl ester (9CI)
 MF C19 H20 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

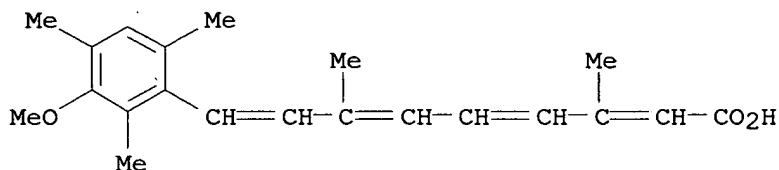
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(3,4-dihydro-4,4,5,7,8-pentamethyl-2H-1-benzopyran-6-yl)-3,7-dimethyl-, (Z,E,E,E)- (9CI)
 MF C25 H32 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

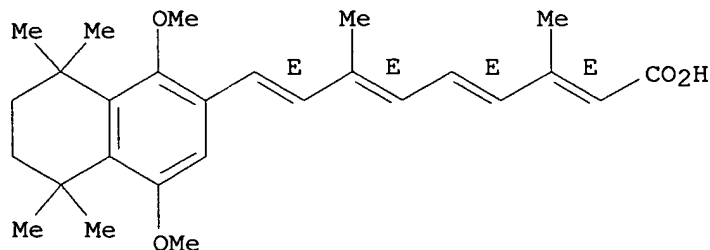
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(3-methoxy-2,4,6-trimethylphenyl)-3,7-dimethyl- (9CI)
 MF C21 H26 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(5,6,7,8-tetrahydro-1,4-dimethoxy-5,5,8,8-tetramethyl-2-naphthalenyl)-, (2E,4E,6E,8E)- (9CI)
 MF C27 H36 O4

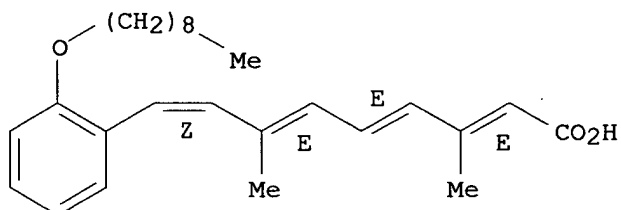
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(nonyloxy)phenyl]-,
(E,Z,E,E)- (9CI)
MF C26 H36 O3

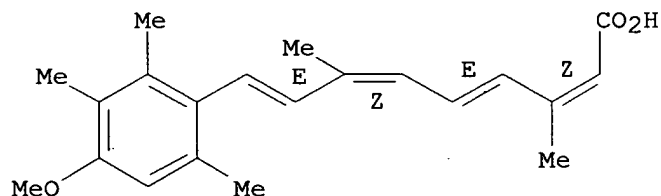
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

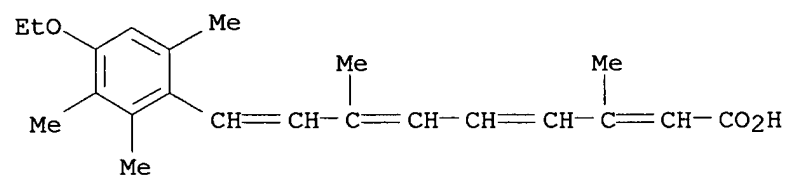
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-
dimethyl-, (2Z,4E,6Z,8E)- (9CI)
MF C21 H26 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

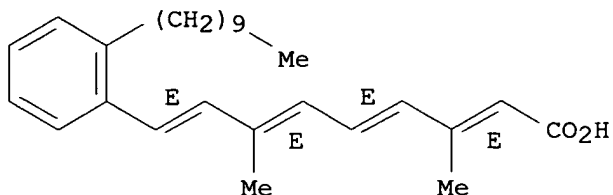
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-ethoxy-2,3,6-trimethylphenyl)-3,7-
dimethyl- (9CI)
MF C22 H28 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2-decylphenyl)-3,7-dimethyl-, (all-E)-
(9CI)
MF C27 H38 O2

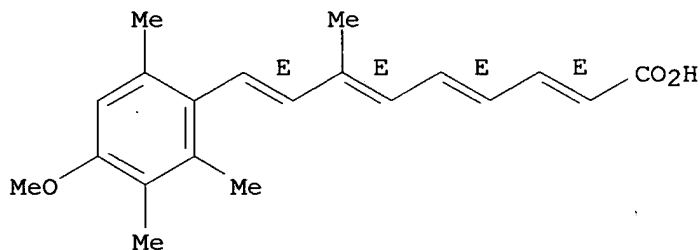
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-7-methyl-,
(all-E)- (9CI)
MF C20 H24 O3

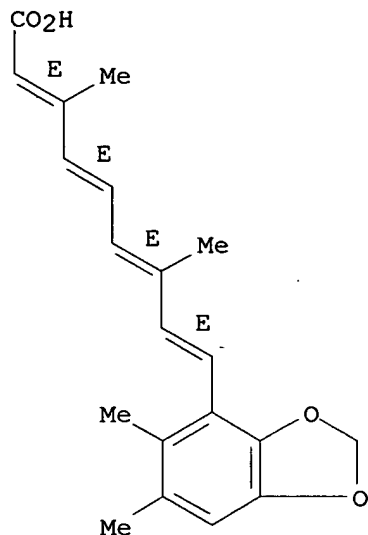
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(5,6-dimethyl-1,3-benzodioxol-4-yl)-3,7-
dimethyl-, (all-E)- (9CI)
MF C20 H22 O4

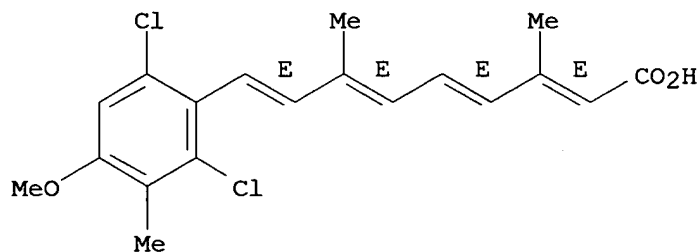
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(2,6-dichloro-4-methoxy-3-methylphenyl)-3,7-
 dimethyl-, (2E,4E,6E,8E)- (9CI)
 MF C19 H20 Cl2 O3

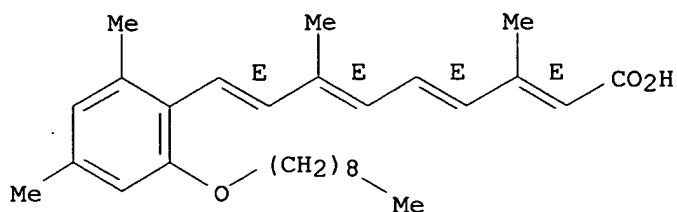
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

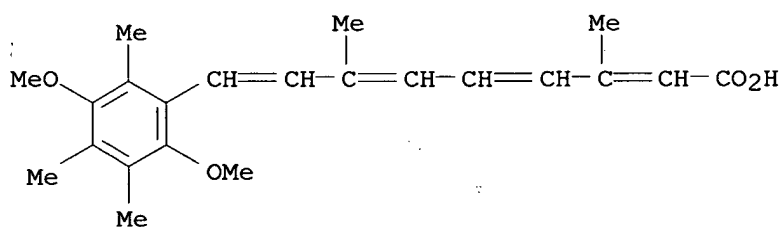
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-[2,4-dimethyl-6-(nonyloxy)phenyl]-3,7-
 dimethyl-, (2E,4E,6E,8E)- (9CI)
 MF C28 H40 O3

Double bond geometry as shown.



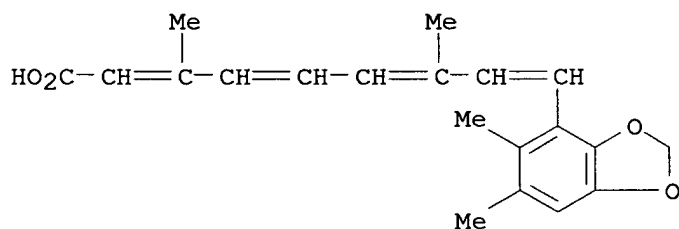
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(2,5-dimethoxy-3,4,6-trimethylphenyl)-3,7-
 dimethyl- (9CI)
 MF C22 H28 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

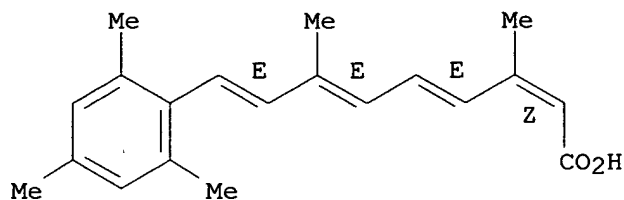
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(5,6-dimethyl-1,3-benzodioxol-4-yl)-3,7-
 dimethyl- (9CI)
 MF C20 H22 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,4,6-trimethylphenyl)-,
 (Z,E,E,E)- (9CI)
 MF C20 H24 O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

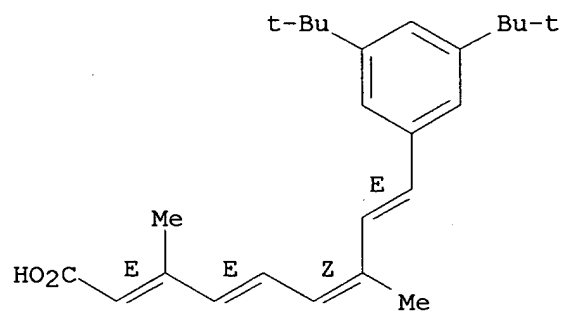
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 2,4,6,8-Nonatetraenoic acid, 9-[3,5-bis(1,1-dimethylethyl)phenyl]-3,7-dimethyl-, (2E,4E,6Z,8E)- (9CI)

MF C25 H34 O2

Double bond geometry as shown.



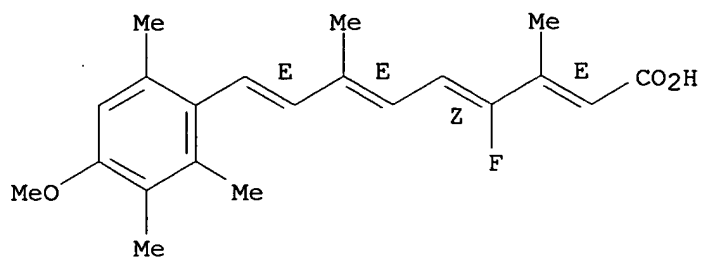
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 2,4,6,8-Nonatetraenoic acid, 4-fluoro-9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-, (2E,4Z,6E,8E)- (9CI)

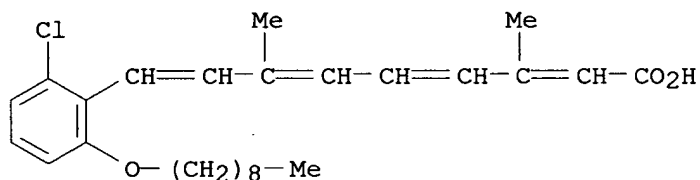
MF C21 H25 F O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

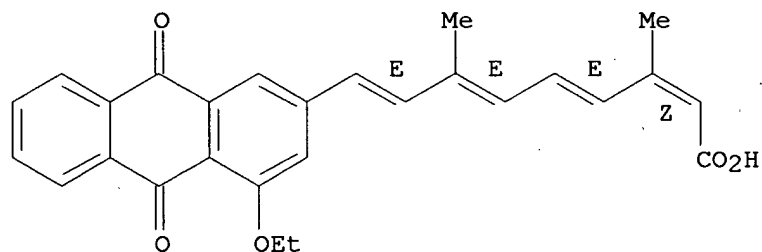
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-[2-chloro-6-(nonyloxy)phenyl]-3,7-dimethyl-
 (9CI)
 MF C26 H35 Cl O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(4-ethoxy-9,10-dihydro-9,10-dioxo-2-
 anthracenyl)-3,7-dimethyl-, (2Z,4E,6E,8E)- (9CI)
 MF C27 H24 O5

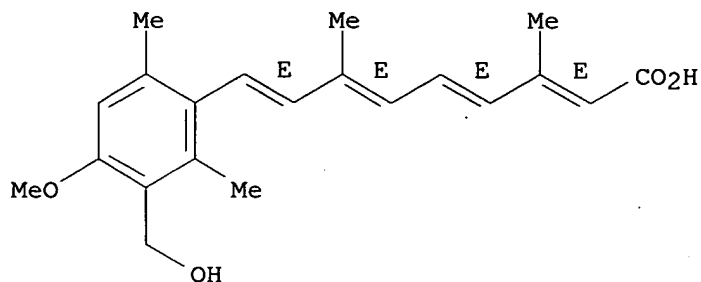
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-[3-(hydroxymethyl)-4-methoxy-2,6-
 dimethylphenyl]-3,7-dimethyl-, (all-E)- (9CI)
 MF C21 H26 O4

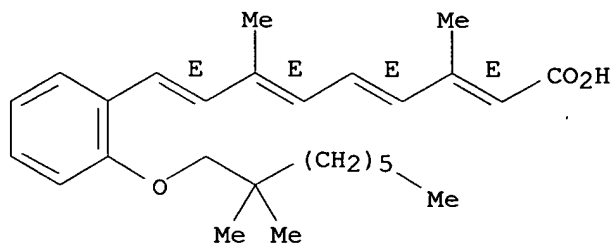
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-[(2,2-dimethyloctyl)oxy]phenyl]-3,7-
dimethyl-, (all-E)- (9CI)
MF C27 H38 O3

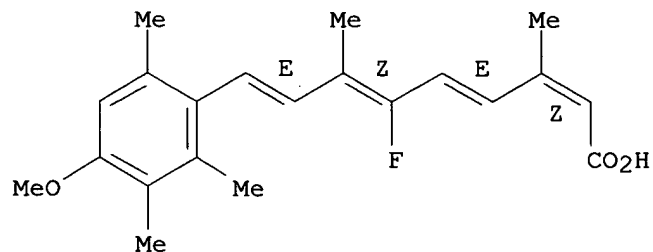
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

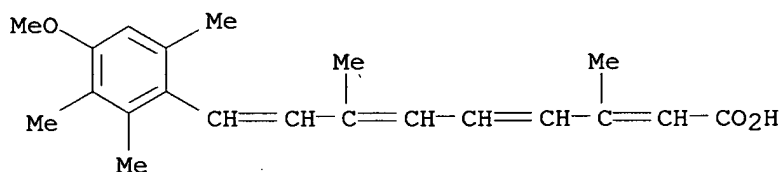
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 6-fluoro-9-(4-methoxy-2,3,6-trimethylphenyl)-
3,7-dimethyl-, (Z,E,Z,E)- (9CI)
MF C21 H25 F O3

Double bond geometry as shown.



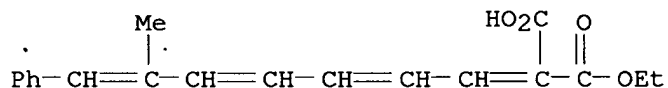
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl- (9CI)
MF C21 H26 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

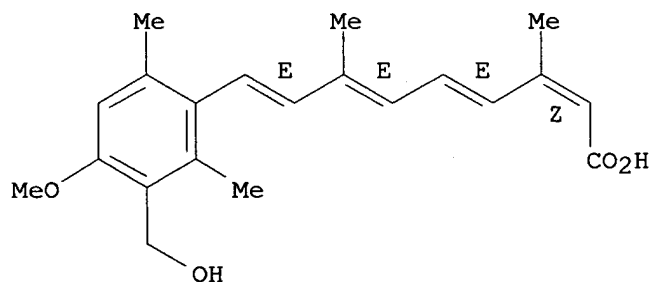
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Propanedioic acid, (6-methyl-7-phenyl-2,4,6-heptatrienyldene)-, monoethyl ester (9CI)
MF C19 H20 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

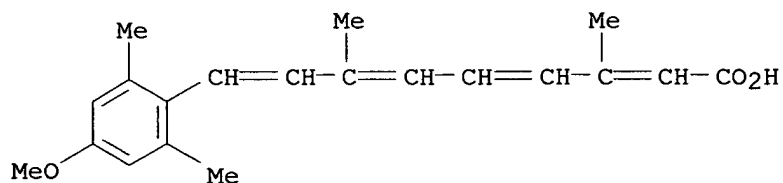
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[3-(hydroxymethyl)-4-methoxy-2,6-dimethylphenyl]-3,7-dimethyl-, (Z,E,E,E)- (9CI)
MF C21 H26 O4

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

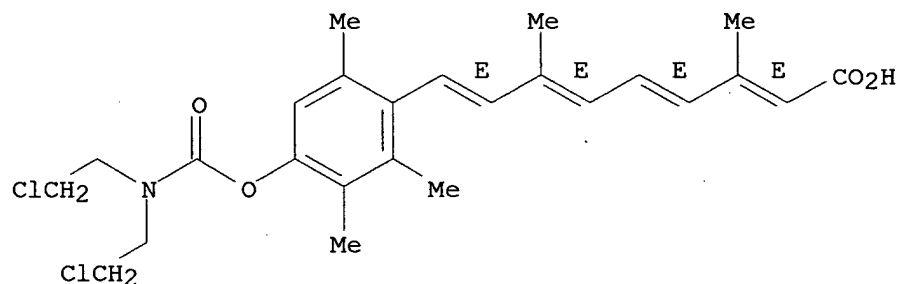
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,6-dimethylphenyl)-3,7-dimethyl-
 (9CI)
 MF C20 H24 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-[4-[[[bis(2-chloroethyl)amino]carbonyl]oxy]-
 2,3,6-trimethylphenyl]-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
 MF C25 H31 Cl2 N O4

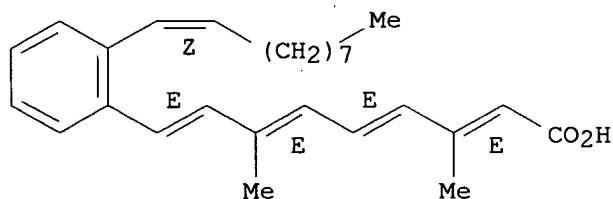
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-[2-(1-decenyl)phenyl]-3,7-dimethyl-,
 (E,Z,E,E,E)- (9CI)
 MF C27 H36 O2

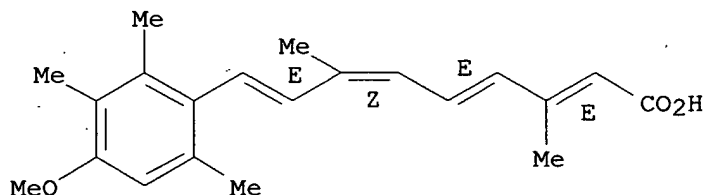
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

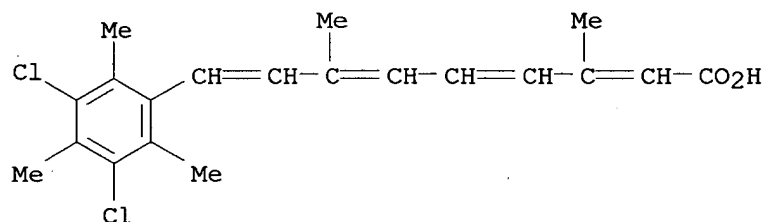
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-
dimethyl-, (2E,4E,6Z,8E)- (9CI)
MF C21 H26 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

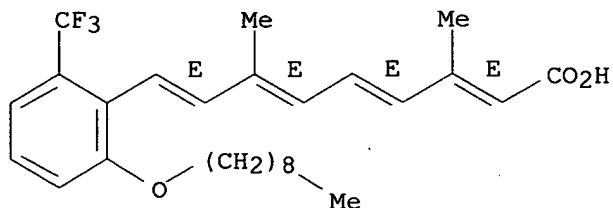
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3,5-dichloro-2,4,6-trimethylphenyl)-3,7-
dimethyl- (9CI)
MF C20 H22 Cl2 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(nonyloxy)-6-
(trifluoromethyl)phenyl]-, (2E,4E,6E,8E)- (9CI)
MF C27 H35 F3 O3

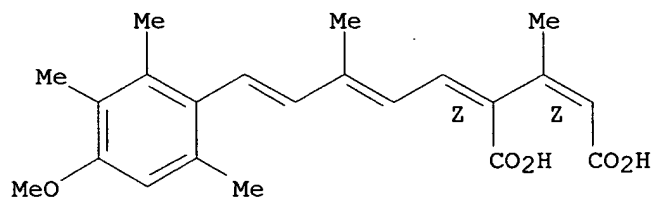
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

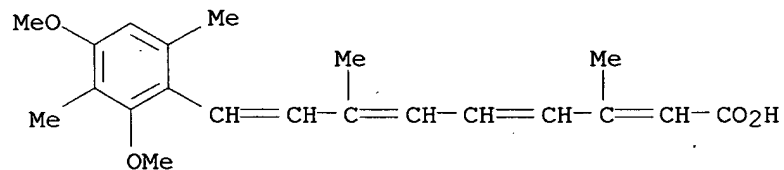
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2-Pentenedioic acid; 4-[5-(4-methoxy-2,3,6-trimethylphenyl)-3-methyl-2,4-pentadienylidene]-3-methyl-, (Z,Z,?,?)- (9CI)
 MF C22 H26 O5

Double bond geometry as described by E or Z.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

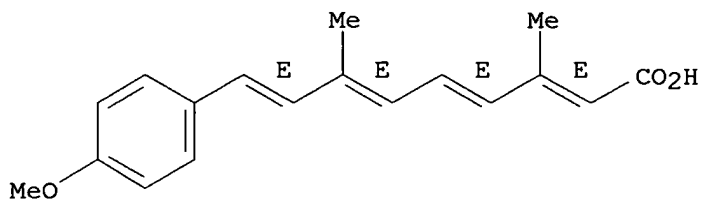
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(2,4-dimethoxy-3,6-dimethylphenyl)-3,7-dimethyl- (9CI)
 MF C21 H26 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

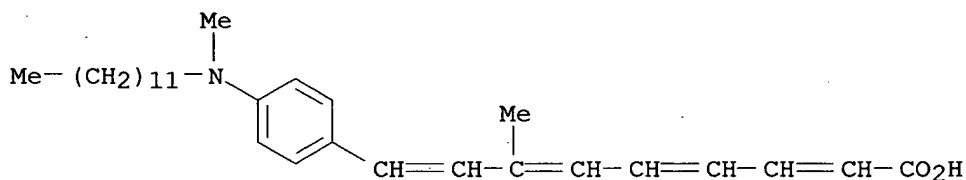
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxyphenyl)-3,7-dimethyl-, (all-E)- (9CI)
 MF C18 H20 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

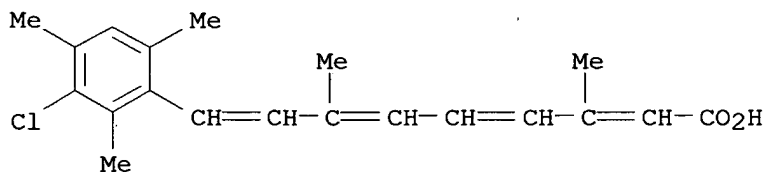
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-[4-(dodecylmethylamino)phenyl]-7-methyl-
 (9CI)
 MF C29 H43 N O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

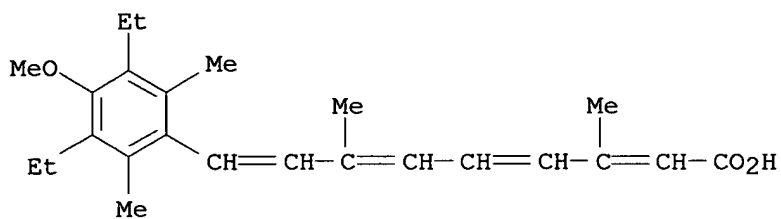
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(3-chloro-2,4,6-trimethylphenyl)-3,7-
 dimethyl- (9CI)
 MF C20 H23 Cl O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

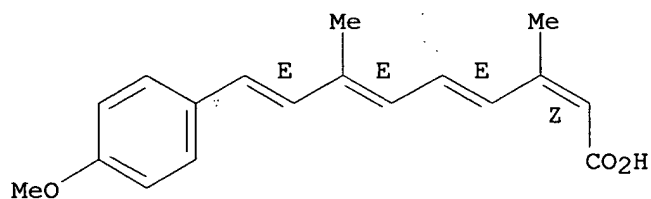
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(3,5-diethyl-4-methoxy-2,6-dimethylphenyl)-
 3,7-dimethyl- (9CI)
 MF C24 H32 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxyphenyl)-3,7-dimethyl-, (Z,E,E,E)-
 (9CI)
 MF C18 H20 O3

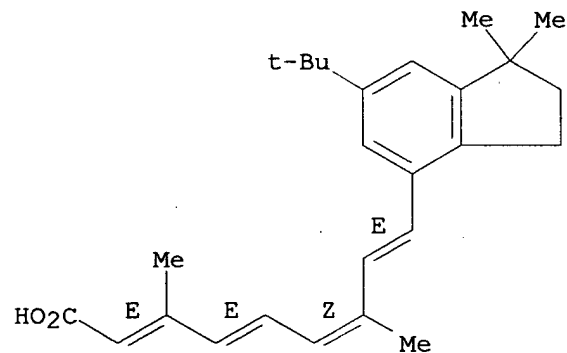
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-[6-(1,1-dimethylethyl)-2,3-dihydro-1,1-
 dimethyl-1H-inden-4-yl]-3,7-dimethyl-, (2E,4E,6Z,8E)- (9CI)
 MF C26 H34 O2

Double bond geometry as shown.



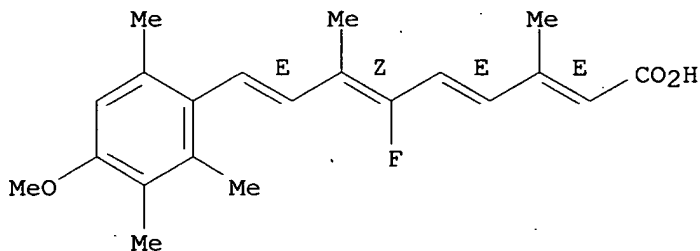
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 2,4,6,8-Nonatetraenoic acid, 6-fluoro-9-(4-methoxy-2,3,6-trimethylphenyl)-
3,7-dimethyl-, (2E,4E,6Z,8E)- (9CI)

MF C21 H25 F O3

Double bond geometry as shown.

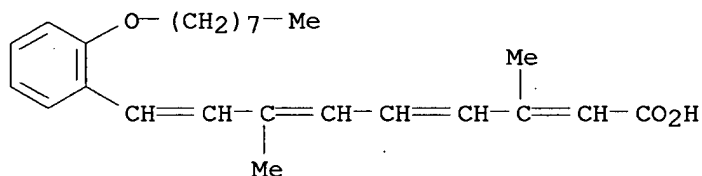


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(octyloxy)phenyl]- (9CI)

MF C25 H34 O3



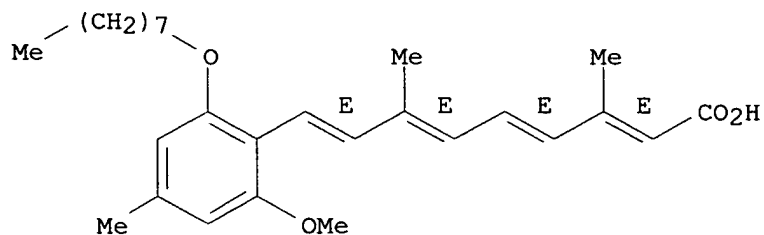
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 2,4,6,8-Nonatetraenoic acid, 9-[2-methoxy-4-methyl-6-(octyloxy)phenyl]-3,7-dimethyl-, (all-E)- (9CI)

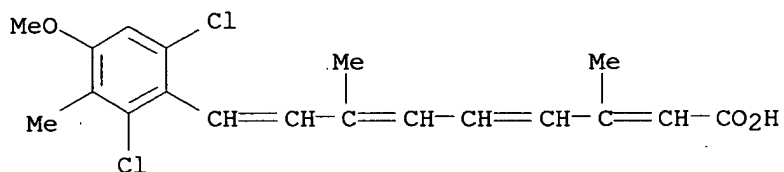
MF C27 H38 O4

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

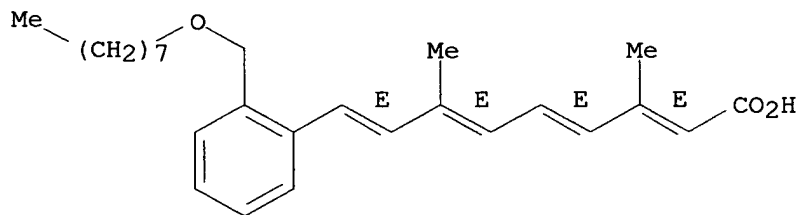
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2,6-dichloro-4-methoxy-3-methylphenyl)-3,7-dimethyl- (9CI)
MF C19 H20 Cl2 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-[(octyloxy)methyl]phenyl]-, (all-E)- (9CI)
MF C26 H36 O3

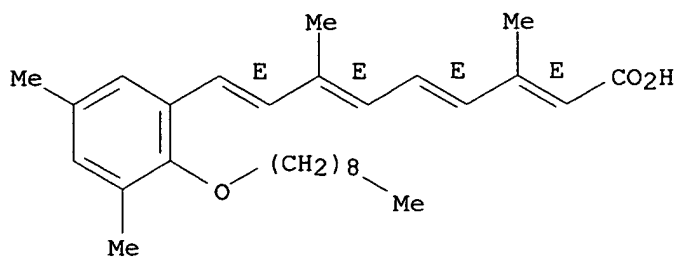
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[3,5-dimethyl-2-(nonyloxy)phenyl]-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
MF C28 H40 O3

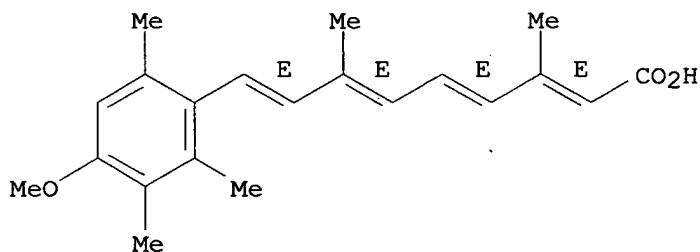
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-
 dimethyl-, (2E,4E,6E,8E)-(9CI)
 MF C21 H26 O3

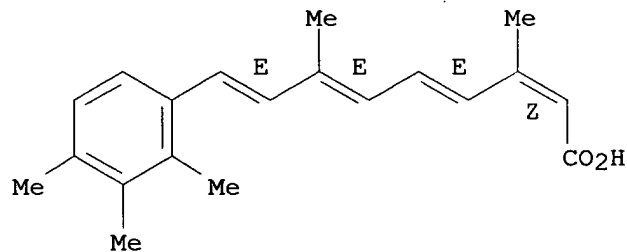
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,3,4-trimethylphenyl)-,
 (Z,E,E,E)-(9CI)
 MF C20 H24 O2

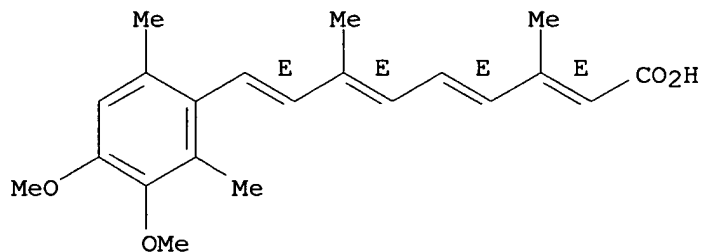
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

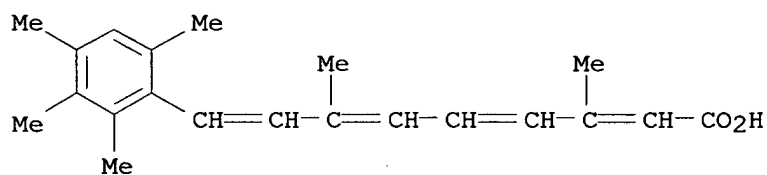
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3,4-dimethoxy-2,6-dimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C21 H26 O4

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

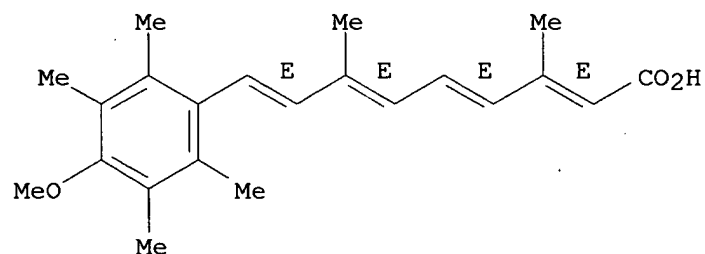
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,3,4,6-tetramethylphenyl)- (9CI)
MF C21 H26 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

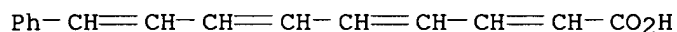
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,5,6-tetramethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C22 H28 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

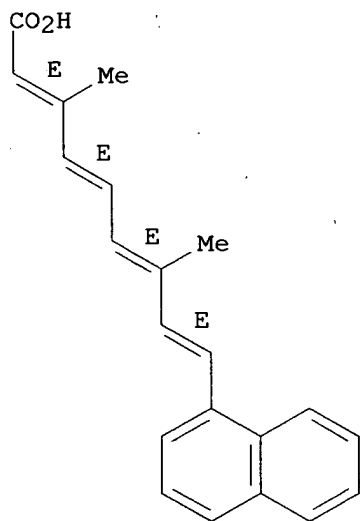
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-phenyl- (9CI)
MF C15 H14 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

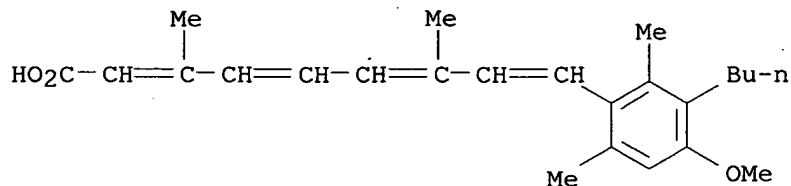
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(1-naphthalenyl)-,
(2E,4E,6E,8E)- (9CI)
MF C21 H20 O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

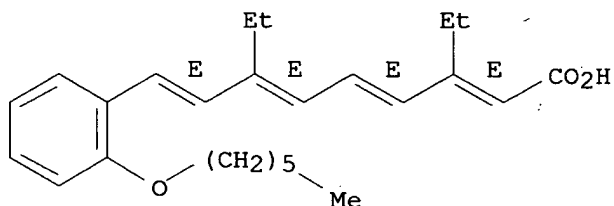
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3-butyl-4-methoxy-2,6-dimethylphenyl)-3,7-
dimethyl- (9CI)
MF C24 H32 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2,4,6,8-Nonatetraenoic acid, 3,7-diethyl-9-[2-(hexyloxy)phenyl]-, (all-E)-
 (9CI)
 MF C25 H34 O3

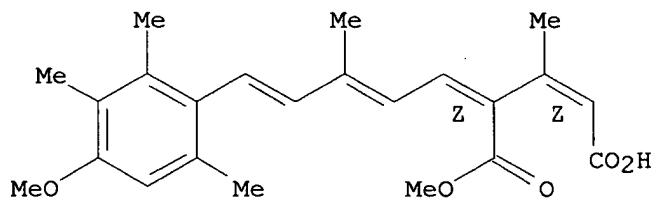
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2-Pentenedioic acid, 4-[5-(4-methoxy-2,3,6-trimethylphenyl)-3-methyl-2,4-
 pentadienyldiene]-3-methyl-, 5-methyl ester, (Z,Z,?,?) (9CI)
 MF C23 H28 O5

Double bond geometry as described by E or Z.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> save temp tetraenesraw/cn
 ENTER L#, L# RANGE, ALL, OR (END):113

TETRAENESRAW/CN IS NOT A VALID SAVED NAME

Enter the name you wish to use for the saved query, answer set, or L-number list. The name must:

1. Begin with a letter,
2. Have 1-12 characters,
3. Contain only letters (A-Z) and numbers (0-9),
4. End with /Q for a query (search profile, structure, or screen set), /A for an answer set, or /L for an L-number list.
5. Not already be in use as a saved name,
6. Not be END, SAV, SAVE, SAVED
7. Not have the form of an L-number (Lnnn).

ENTER NAME OR (END):en

EN IS NOT A VALID SAVED NAME

Enter the name you wish to use for the saved query, answer set, or L-number list. The name must:

1. Begin with a letter,
2. Have 1-12 characters,
3. Contain only letters (A-Z) and numbers (0-9),
4. End with /Q for a query (search profile, structure, or screen set), /A for an answer set, or /L for an L-number list.
5. Not already be in use as a saved name,
6. Not be END, SAV, SAVE, SAVED
7. Not have the form of an L-number (Lnnn).

ENTER NAME OR (END):end

=> save temp l13 tetraenesraw/a

ANSWER SET L13 HAS BEEN SAVED AS 'TETRAENESRAW/A'

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	175.94	232.09
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.38

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 09:44:22 ON 16 MAR 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	"Ask CAS" for self-help around the clock
NEWS	3 FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	4 FEB 28	PATDPAFULL - New display fields provide for legal status

data from INPADOC

NEWS 5 FEB 28 BABS - Current-awareness alerts (SDIs) available
 NEWS 6 FEB 28 MEDLINE/LMEDLINE reloaded
 NEWS 7 MAR 02 GBFULL: New full-text patent database on STN
 NEWS 8 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
 NEWS 9 MAR 03 MEDLINE file segment of TOXCENTER reloaded
 NEWS 10 MAR 22 KOREAPAT now updated monthly; patent information enhanced
 NEWS 11 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY
 NEWS 12 MAR 22 PATDPASPC - New patent database available
 NEWS 13 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags
 NEWS 14 APR 04 EPFULL enhanced with additional patent information and new fields
 NEWS 15 APR 04 EMBASE - Database reloaded and enhanced
 NEWS 16 APR 18 New CAS Information Use Policies available online
 NEWS 17 APR 25 Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAPLUS and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
 NEWS 18 APR 28 Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAPLUS

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS INTER General Internet Information
 NEWS LOGIN Welcome Banner and News Items
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN
 NEWS WWW CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:37:07 ON 02 MAY 2005

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:37:12 ON 02 MAY 2005

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 1 MAY 2005 HIGHEST RN 849587-91-3

DICTIONARY FILE UPDATES: 1 MAY 2005 HIGHEST RN 849587-91-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e 4-phenyl-2butymoic acid/cn

```
E1      1      4-PHENYL-2-THIOXOBUTAN-4-ONE/CN
E2      1      4-PHENYL-2-VINYL-1,3-DIOXOLANE/CN
E3      0 --> 4-PHENYL-2BUTYMOIC ACID/CN
E4      1      4-PHENYL-2H-1,3-OXAZINE-2,6(3H)-DIONE/CN
E5      1      4-PHENYL-2H-1-BENZOPYRAN/CN
E6      1      4-PHENYL-2H-1-BENZOPYRAN-2-ONE/CN
E7      1      4-PHENYL-3',4',5',6'-TETRAHYDRO-2'H-(2,4')BIPYRANYL-6-ONE/CN
E8      1      4-PHENYL-3'-HYDROXYQUINOPHTHALONE/CN
E9      1      4-PHENYL-3(2H)-PYRIDAZINONE/CN
E10     1      4-PHENYL-3,2-BUTEN-1-YL CHRYSANTHEMATE/CN
E11     1      4-PHENYL-3,3-DIMETHYL-2-AZETIDINONE/CN
E12     1      4-PHENYL-3,4-DIHYDRO-B-CARBOLINE/CN
```

=> e 4-phenyl-2-butynoic acid/cn

```
E1      1      4-PHENYL-2-BUTYN-1-OL/CN
E2      1      4-PHENYL-2-BUTYN-1-YL CHRYSANTHEMATE/CN
E3      1 --> 4-PHENYL-2-BUTYNOIC ACID/CN
E4      1      4-PHENYL-2-CHLOROPHENOL/CN
E5      1      4-PHENYL-2-CYANOCYCLOBUTANONE/CN
E6      1      4-PHENYL-2-CYANOPYRIDINE/CN
E7      1      4-PHENYL-2-CYCLOHEXEN-1-ONE/CN
E8      1      4-PHENYL-2-CYCLOPENTEN-1-ONE/CN
E9      1      4-PHENYL-2-CYCLOPENTENONE/CN
E10     1      4-PHENYL-2-ETHOXY-N-(2-(3-METHOXY-4-((2-PROPYNYL)OXY)PHENYL)
          ETHYL) PENTANAMIDE/CN
E11     1      4-PHENYL-2-ETHOXYOXETANE/CN
E12     1      4-PHENYL-2-FLAVENE/CN
```

=> e3

L1 1 "4-PHENYL-2-BUTYNOIC ACID"/CN

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

5.89

6.10

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 10:38:57 ON 02 MAY 2005

Connecting via Winsock to STN